

JOHNSON C. SMITH UNIVERSITY



CATALOG 1990-1992

JOHNSON C. SMITH UNIVERSITY

IS

ACCREDITED BY

The Southern Association of Colleges and Schools

APPROVED BY

The State Department of Public Instruction

AND HOLDS MEMBERSHIP IN THE

American Assembly of Colleges and Schools of Business

American Association of Colleges for Teacher Education

American Association of Collegiate Registrars and Admissions Officers

American Council on Education

Association of Governing Boards of Universities and Colleges

Council for Advancement and Support of Education

Charlotte Area Educational Consortium

College Entrance Examination Board

College and University Personnel

National Association of College Admission Counselors

National Association of College Deans, Registrars,
and Admissions Officers

National Association for Equal Opportunity in Higher Education

National Association of Independent Colleges and Universities

National Association of Minority Engineering Programs Administrators

National Association of Student Financial Aid Administrators

National Association of Student Personnel Administrators

North Carolina Association of Colleges and Universities

North Carolina Association of Colleges for Teacher Education

North Carolina Association of Independent College and Universities

Southern Association of College Registrars and Admissions Officers

United Negro College Fund

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Admission to, employment by, and promotion within the University shall be on the basis of merit, and there shall be no discrimination on the basis of race, color, creed, sex, national origin, or handicap.

JOHNSON C. SMITH UNIVERSITY

UNIVERSITY CATALOG 1990-1992

Addendum to the Academic Program

CHARLOTTE, NORTH CAROLINA
28216-5398

As a private educational institution, the University and student enter into a contractual relationship with one another. This Catalog, the Student Handbook and other documents and regulations of the University are part of the contract the student has with the University. These materials are made available to the student at or before admission and enrollment. The student on admission is obligating himself or herself to submit to and be governed by the reasonable rules and regulations contained in these materials. Students are encouraged to read these materials and familiarize themselves with their contractual obligations. The University reserves the right to change fees, tuition or other charges; to add or to delete courses; to revise academic programs; or to alter regulations and requirements as deemed necessary. Johnson C. Smith University offers both equal education and equal employment opportunities.

Johnson C. Smith University, Incorporated shall continue the present policy of admitting students of any race, color, sex, national and ethnic origin, to all rights, privileges, programs and activities generally accorded to or made available to students at the University.

An Affirmative Action/Equal Opportunity Institution.

— UNIVERSITY CALENDAR —

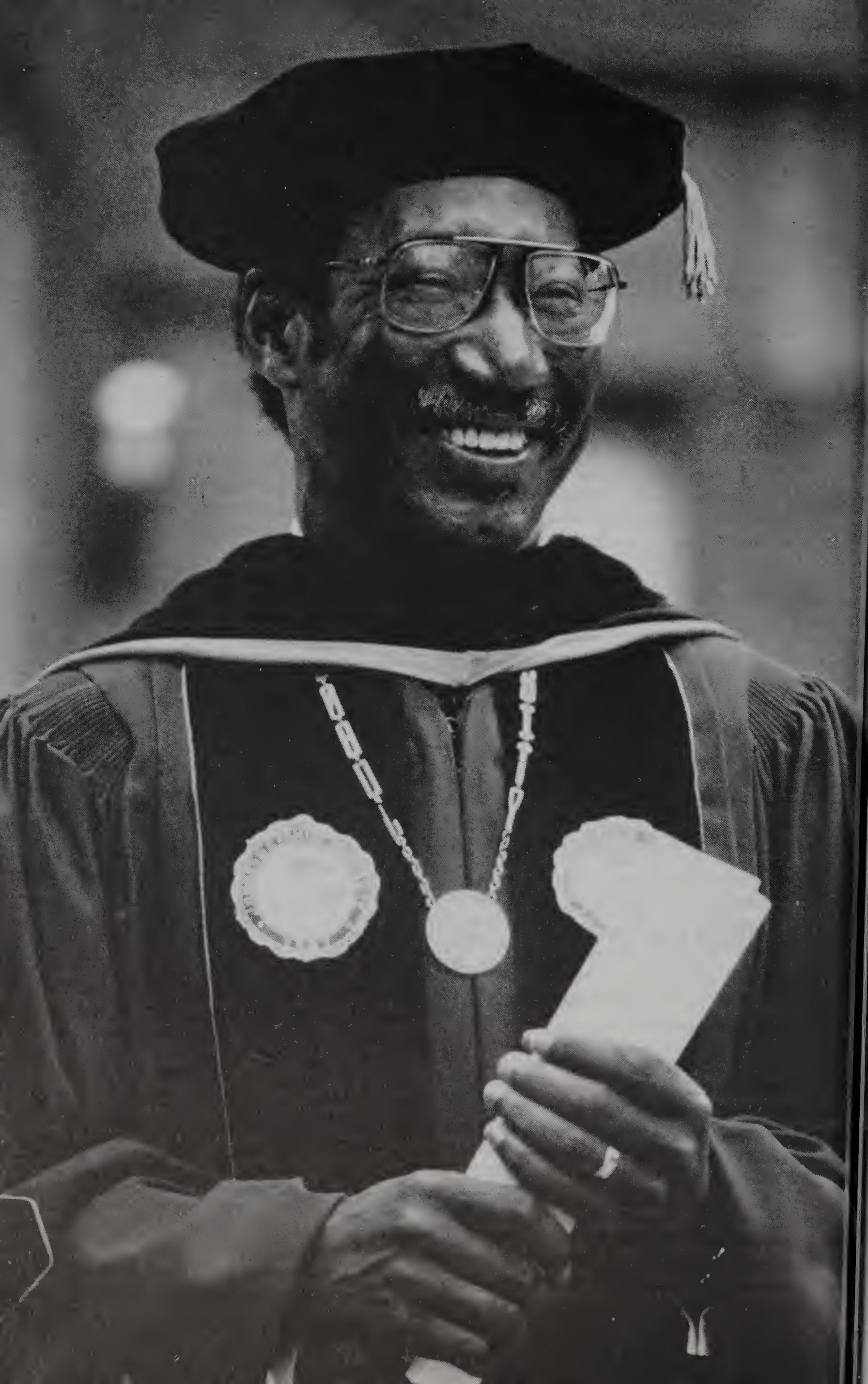
1991 - 1992

FALL SEMESTER

August 18.....	New Students will check into Residence Hall 9:00 a.m. - 5:00 p.m.
August 19.....	Faculty Reports for Duty New Faculty Orientation
August 19-20	PRE-SCHOOL CONFERENCE FOR FACULTY & STAFF
August 18-23	New Student Orientation
August 20.....	Advisement/Registration for Freshmen
August 20.....	Residence Halls open to upper class students
August 21.....	Change of Program for students who participated in Advance Registration.
August 22.....	Registration for returning students and continuing students who did not participate in advance registration.
August 23	FIRST DAY OF CLASSES
August 26-30	Change of Program (Drop-Add)
August 30.....	LAST DAY TO ADD COURSES
August 30.....	Last Day to Enroll for Fall Semester
September 3	Last Day to File for December Graduation
September 2	Labor Day (University Holiday)
September 10	Opening Convocation
September 26	Last Day to Submit Proof of Immunization
October 7	Last Day to Remove Incompletes
October 14-15.....	MID-SEMESTER EXAMINATIONS
October 15	Last day to file application for admission into the Teacher Education Program. Last day to file application for student teaching in the Spring Semester.
October 17-18.....	Fall Break
October 17	Mid-Semester grades due in the Office of Academic Affairs
October 19	HOMECOMING
October 31	LAST DAY TO DROP COURSES
October 31	LAST DAY TO WITHDRAW OFFICIALLY FROM THE UNIVERSITY
November 4-5	Sophomore Competency Tests
November 15.....	Last Day to Pay Fees for Fall Semester
November 11-15.....	Advance Registration
November 27-29	Thanksgiving Holiday (Classes end at 1:00 p.m., Wednesday, November 27)
November 28-29	University Holiday
December 6.....	LAST DAY OF CLASSES
December 8.....	Annual Christmas Program by Music Department
December 9.....	Reading Day
December 10-14.....	FINAL EXAMINATIONS FOR FALL SEMESTER Residence Halls will close by 12:00 Noon on December 15
December 16	Grades due in Office of the Registrar (12:00 noon)
December 17 - January 5	Academic Recess
December 20-27.....	Christmas Break (University closed)
January 1.....	New Year's Holiday

SPRING SEMESTER

January 5.....	New Students will check into Residence Halls 9:00 a.m. - 5:00 p.m.
January 6-7	Orientation - Freshman and Transfer students entering for the Spring Semester
January 6.....	Faculty Reports for Duty
January 7.....	Registration and change of program for students who participated in Advance Registration
January 7.....	Registration for new students and returning students who did not participate in Advance Registration
January 8.....	FIRST DAY OF CLASSES
January 10.....	Last day to enroll for the Spring Semester
January 10-15	Change of Program (Drop-Add)
January 15.....	LAST DAY TO ADD COURSES
January 17.....	LAST DAY TO FILE FOR MAY GRADUATION
January 20.....	Martin Luther King's Birthday (University Holiday)
January 23.....	Last Day to Drop Extra Hours with Refund
February 8.....	Last Day to Submit Proof of Immunization
March 2-3.....	MID SEMESTER EXAMINATIONS
March 6	Mid-semester grades due in the Office of Academic Affairs
March 6	LAST DAY TO DROP COURSES
March 6	LAST DAY TO WITHDRAW OFFICIALLY FROM THE UNIVERSITY
March 6	Last day to file application for admission into the Teacher Education Program. Last day to file application for student teaching in the Fall semester
March 9-13.....	SPRING RECESS
March 18	Major Area Tests
March 18-20.....	Sophomore Competency Tests
March 19	Last Day to Pay Fees for Spring Semester
March 20	LAST DAY TO DROP COURSES
March 31	SENIOR CONVOCATION DAY
April 5.....	Founders Day Convocation
April 6-10	Advance Registration
April 17-20	EASTER HOLIDAY
April 23.....	Honors Convocation
May 1	LAST DAY OF CLASSES
May 4.....	Reading Day for Final Examinations
May 5.....	Grade reports for graduating seniors due in Registrar's Office (12:00 Noon)
May 5-9.....	FINAL EXAMINATIONS FOR SPRING SEMESTER Residence Halls will close at 12:00 Noon on May 12
May 10	COMMENCEMENT DAY
May 8-10.....	COMMENCEMENT ACTIVITIES
May 11-12	Post School Conference
May 11.....	Grade reports for non-graduating students due in Registrar's Office (12:00 Noon)
June 1 - July 10.....	SUMMER SCHOOL
July 11.....	SUMMER COMMENCEMENT



THE ACADEMIC PROGRAM

REGISTRATION

TIME: All students must register at the beginning of each semester, whether they were in residence the preceding semester or not. Students are required to register in person at the University between 8:15 a.m. and 5:15 p.m. on the days designated. New students will be advised regarding courses and registration procedures during orientation sessions at the beginning of each semester. Dates specified for new students to register are listed in the University Calendar. All students will report for registration as indicated in the University Calendar.

Late Registration: Students may be allowed late registration upon the payment of a late fee of ten dollars per day, but no student will be permitted to register later than the time specified in the calendar.

Changes in Registration: Students who find it necessary to change their program of study after registration **MUST** make the change through the Registrar's Office on forms provided for that purpose. For any such change the student must obtain the permission of the instructor and the advisor. This procedure is followed for dropping or adding a course.

The adding of courses must be completed before the time for making changes expires.

Changes in Address: All address changes must be reported to the Registrar's Office.

Student Load and Excess Hours: The normal load for all students is 15-18 credit hours. In the Summer Session the normal load is 6 credit hours.

A. Maximum Load

1. During a regular session, a student may not enroll for more than 18 hours, except that a student whose average was "B" or better during the previous semester may apply to enroll for additional hours not to exceed a total of 22.
2. Any student who desires to enroll for more than 18 hours must obtain permission from his or her advisor or department head, division chairperson and the Vice President for Academic Affairs. Forms to enroll for more than 18 hours may be obtained in the Office for Academic Affairs.

3. During a summer term, a student may not enroll for more than six hours, except in the event that one course is a four hour course, in which case he may enroll for seven hours.
4. Candidates for graduation in July may enroll for 9-10 semester hours.

Course Offerings: The University reserves the right to add, delete or cancel courses as it deems necessary. There will be no partial refund of any fees as a result of course cancellations unless the student decides to continue as a part-time student.

GRADES AND CREDIT

Symbols: The quality of a student's work in a course must be reported to the registrar by the use of the following grades: A, B, C, D, P, F, and I. A denotes excellent scholarship; B, good; C, fair; D, poor. Work reported as the grade of D cannot be raised to a higher grade by examination. F indicates failure; a student receiving such a grade may repeat the course. P is the passing grade assigned to all courses for which no credit is allowed. The grade I indicates that the work has not been completed and that the student did not withdraw from the class. A student who officially drops a course will receive the grade of W.

The grading symbols are: A; B; C; D; F; I (Incomplete); W/P (withdrew passing); W/F (withdrew failing); or W (withdrew prior to taking a test).

Grade Points: Grade points are determined by multiplying the number of credit hours which a course yields by the grade point value of the grade. Grade points are computed as follows: A, 4 points for each credit hour; B, 3; C, 2; D, 1; P, 0; F, 0.

Grade for Major Work: No grade below C will count for credit in the student's major or minor work, and no student will be permitted to enroll for student teaching without a minimum grade of C in all courses in the designated teaching area.

Course Credit: Credit will be granted only for officially registered courses.

Grading and Promotion: The University reserves the right to have decisions regarding grading and promotion made by the exercise of the sound discretion of the University faculty.

ENROLLMENT STATUS

Full-time: In order to be full-time, a student must be enrolled for a minimum of twelve (12) semester credit hours.

Part-time: Any student enrolled for fewer than twelve (12) semester credit hours.

Special: Students who are enrolled but have not been admitted to candidacy for a degree.

ACADEMIC STANDARDS AND SATISFACTORY ACADEMIC PROGRESS

Good Standing

All students are expected to progress toward a degree while in attendance at the University. In many cases, students are capable of completing their degree requirements within a 4 year period by earning an average of 16 credit hours per semester. However, depending upon academic major or other factors, students may require somewhat longer than 4 years for completion. The SATISFACTORY ACADEMIC PROGRESS SCALE sets forth the minimum requirements for progress toward a degree. Any student who meets these requirements will be in good standing.

CLASS ATTENDANCE

Class attendance is required for all JCSU students. Each student is allowed as many absences per semester as the class meets per week. A student is expected to attend all classes and not be absent without adequate cause. It is the responsibility of the student to make up scheduled work missed because of class absences. Absence from unannounced tests and other assignments may be made up at the discretion of the instructor. Students who exceed the maximum number of absences may receive a failing grade for the course.

Instructors are expected to explain the attendance requirements at the beginning of the semester and to include these requirements in the course syllabus issued to students. Instructors are required to maintain accurate attendance records on all students and, if requested, to report to the Vice President of Academic Affairs any student who exceeds the maximum number of absences.

Satisfactory Academic Progress

Johnson C. Smith University's primary purpose is to create and support an educational environment in which students may develop their intellectual potential. While the University is committed to extending its fiscal and human resources in pursuit of this goal, students must have some responsibility for their own education and must pursue and complete academic coursework which will permit them to meet baccalaureate degree requirements within a reasonable time frame.

Accordingly, and in compliance with appropriate and applicable federal regulations and requirements, Johnson C. Smith University shall adhere to the following definitions of and policies for the determination of "Satisfactory Academic Progress." Any petitions for exemptions to the requirements set forth herewith may be examined by the University's Committee on Admissions, Academic Standards

and Financial Aid. The petitions must be in writing and must be specific as to the nature of the unusual circumstances for which an exemption is sought.

Upon finding an appropriate cause of action, this committee may grant exception to the standards here set forth on an individual case basis with the understanding that such exceptions will not undermine either the intent of this policy or governing federal regulations for Title IV Student Financial Assistance.

SATISFACTORY ACADEMIC PROGRESS SCALE

FULL TIME STATUS

SEMESTER	CUMULATIVE CREDIT HOURS EARNED	CUMULATIVE GPA
1	9	1.70
2	20	1.80
3	32	1.90
4	44	2.00
5	56	2.00
6	68	2.00
7	80	2.00
8	92	2.00
9	107	2.00
10	122	2.00

During each additional semester beyond ten, a student must earn a minimum of 15 semester hours.

PART TIME STATUS

¾ TIME STUDENT (9-11) credit hours.

BACHELOR’S (122) credit hours.

ACADEMIC YEARS									
COMPLETED	1	2	3	4	5	6	7	8	9
CREDIT HOURS									
COMPLETED	13	26	39	53	67	81	95	100	122

½ TIME STUDENT (6-8) credit hours.

BACHELOR’S (122) credit hours.

ACADEMIC YEARS												
COMPLETED	1	2	3	4	5	6	7	8	9	10	11	12
CREDIT HOURS												
COMPLETED	10	20	31	41	52	62	72	83	93	100	115	122

ACADEMIC PROBATION SUSPENSION AND DISMISSAL

1. Any student who, for the first time, fails to meet the requirements of the Satisfactory Academic Progress Scale will be placed on academic probation.

2. Any student who, for the second time, fails to meet the requirements of the Satisfactory Academic Progress Scale will be suspended from the University for one semester. Students who regain compliance with the Satisfactory Academic Progress Scale prior to the end of the suspension period are eligible for immediate readmission to the University.
3. Any student who, for the third time, fails to meet the requirements of the Satisfactory Academic Progress Scale will be dismissed from the University.

DEAN'S LIST

At the end of each semester a Dean's List consisting of students who have earned a grade point average of 3.00 or better is published. Only students who are registered for a minimum of fifteen credit hours will be considered for the Dean's List. Students earning a GPA of 4.0 and a minimum of 15 semester hours are designated as Presidential Scholars.

COURSE EXAMINATIONS

Semester or session examinations: All students are required to take the final examination in each course for which he or she is properly enrolled. Exceptions to this rule are granted by the department head and division chairperson. The final examination must not account for more than twenty-five per cent (25%) of the final grade. FAILURE TO TAKE AN EXAMINATION DOES NOT GUARANTEE A GRADE OF I. Students who do not fulfill their financial obligations will not be allowed to take final examinations at the end of the semester.

Mid-Semester tests: All students are required to take the mid-semester test in each course for which he or she is properly enrolled.

Incompletes: A STUDENT WHO, AS A RESULT OF SICKNESS OR SOME OTHER UNAVOIDABLE CAUSE, HAS NOT FULLY SATISFIED THE REQUIREMENTS OF A COURSE MAY BE GIVEN A GRADE OF I, IF THE SUCCESSFUL COMPLETION OF THE WORK WILL ENABLE THE STUDENT TO EARN A PASSING GRADE. The incomplete may be removed while the student is not enrolled, but it must be removed within six weeks after the beginning of the next semester in which the student is enrolled. When the work is completed, the student must secure the necessary form from the Registrar's Office, take it to the Office of Financial Affairs to pay the necessary fee for removing incompletes, and then submit the form to the instructor, who will report the final grade to the registrar.

IF A STUDENT DOES NOT ENROLL WITHIN TWO YEARS AFTER RECEIVING THE I, THE INCOMPLETE BECOMES A PERMANENT I.

Repeating of Courses: No student will receive credit for the same course twice. If any course is repeated in which credit hours are

earned, the student's permanent record will be adjusted by subtracting the hours of the lower grade from the total hours earned. Credit hours will then be recorded for only the higher grade. Students are responsible for notifying the Registrar's Office when a course is being repeated. Space on the registration form is provided for this notification.

Withdrawal: Students may withdraw officially from the University up to the last day to drop classes.

Transfer of Credit: Students may obtain credit by attending another college or university if the following conditions are met:

1. The proposed institution of study must be accredited by one of the six regional accrediting agencies of the United States and must offer courses equivalent to those at Johnson C. Smith University.
2. Approval is to be secured from instructors, advisors, and heads of the departments at Johnson C. Smith. Application for approval must be submitted on the proper form obtainable from the Registrar's Office. When the form has been properly executed, it is returned to the Registrar's Office. Elective credits may be received for certain courses which do not correspond to any offered at Johnson C. Smith, provided approval is first received from the appropriate department head.
3. Approved courses in which the student receives a grade of C or better are transferable with the credit hours and grade points earned. CREDIT WITH GRADE BELOW C WILL NOT BE ACCEPTED. Where quarter hours are taken, they will be converted at the rate of three semester hours to equal five quarter hours.
4. Normally, no more than fifteen hours, EXCLUDING COURSE WORK THROUGH THE CONSORTIUM, may be transferred.

Credit by Examination (AP): Students satisfactorily completing Advanced Placement Examinations (3 and above) will be awarded credit. The Vice President for Academic Affairs in conjunction with the department chairperson will award up to 15 credit hours according to University and College Board regulations

NOTE: Work experiences, institute participation, and travel experiences for credit MUST be cleared and approved before a student takes part in such a venture.

THE STUDENT IS RESPONSIBLE FOR FOLLOWING THE PROCEDURES LISTED ABOVE.

Grade Reports: At the end of each semester, grade reports are sent to parents or guardians. Mid-semester grades are sent to advisors for purpose of advisement. Only semester grades are permanently recorded.

TRANSCRIPTS

An official transcript of a student's academic record will be sent to a designated person or institution upon written request by the student. However, all obligations to the University must be cleared before a transcript is released.

The first transcript is free of charge; all subsequent copies are \$3 per copy.

All transcript requests are made through the Registrar's Office and should be received at least one week before they are needed. REQUESTS BY TELEPHONE WILL NOT BE HONORED.

CLASSIFICATION OF STUDENTS

Students in the University are classified for the year at the beginning of the FALL SEMESTER according to records in the Registrar's Office. The basis for this classification is as follows:

Seniors: Students who have, unconditionally, at least 90 credit hours of work.

Juniors: Students who have, unconditionally, at least 60 credit hours of work.

Sophomores: Students who have at least 30 credit hours of work.

Freshmen: All other students, not registered as special, who have fewer than 30 credit hours of work.

SPECIAL PROGRAMS

At Johnson C. Smith University, the educational program is continuously under review. As a result of that review, experimental courses/programs are being offered. These explorations will be continued and enhanced during the 1990-1991 academic year.

Charlotte Area Educational Consortium

Full-time students may enroll in courses, not available at Johnson C. Smith University, which are offered at other participating institutions in the Charlotte Area Educational Consortium (CAEC) without additional tuition and fees.

The Charlotte Area Educational Consortium offers inter-institutional registration during the fall and spring semesters at the member institutions listed below.

Barber-Scotia College	Queens College
Belmont Abbey College	University of North Carolina at
Central Piedmont	Charlotte
Community College	Wingate College
Davidson College	York Technical College
Gaston College	
Johnson C. Smith University	

The registration process is initiated in the Office of the Registrar and requires the approval of the student's academic advisor, the Vice President for Academic Affairs, and the Registrar.

Continuing Education

The Continuing Education Program was initiated in the Spring of 1988 as a pilot project in adult education for the Charlotte Community. The University's Office of Continuing Education was established in the Spring of 1989 for the purpose of staffing this experimental program in community education. This office serves in a support role for the University's Task Force on Continuing Education and as a central office for the planning and implementation of the pilot courses in adult education.

The principal short term non-credit courses offered on campus each Spring and Fall are:

HEALTH AND FITNESS COURSES:

- Adult/Infant CPR
- Fitness and Weight Control
- Drugs, Alcohol, and Tobacco Abuse

WORK SKILL COURSES:

Principles of Accounting
 Basic Computer Applications
 Advanced Computer Skills
 Principles of Management
 Small Business Skills
 Everyday Economics

LIFE AND LEISURE COURSES:

Family Budgeting
 Music (Piano; Voice; "Enrichment")
 Home Movie/Video Production
 Creative Writing

ADULT BASIC EDUCATION (in cooperation with Central Piedmont Community College)

Ninth Grade Equivalency
 High School Completion (GED Preparation)

Credit course also are offered either on campus or on an outreach basis off campus through organizations interested in sponsoring pilot classes for courses listed in the current catalog. In the Fall of 1989, an experimental credit course (Principles of Accounting #235) was offered at a local A. T. & T. facility.

FRESHMAN STUDIES

Always concerned with the quality of the freshmen experience, American colleges and universities recently have begun to design formal programs that speak to these special concerns. As a recognized leader in the field, Johnson C. Smith University has had such a program since 1987.

Embracing the full range of academic disciplines, the core curriculum actively involves freshmen in the pursuit and organization of knowledge. Emphasis is placed on small classes, primary materials, and practical competence—with studio, field, and laboratory work complementing classroom instruction.

At present the core curriculum consists of 24 hours. Each course satisfies existing requirements in the General Education Program. All freshmen are also assigned a faculty mentor to serve as guide throughout the journey. Two hours credit in Freshmen Orientation is awarded for this work.

Humanities 131-132: Inquiry in Humanities**(3 credit hours each)**

HUM 131-132 is an introduction to the various humanities (music, philosophy, literature, art, drama, dance, cinema, architecture, art, religion, and popular culture). Actual disciplines studied will vary from section to section. The course focuses on inquiry and critical thinking and employs variety of cross-disciplinary activities. Students learn to organize detailed observations by making distinctions, formulating categories, establishing responses and engaging in dialogues which assess responses and critical judgments. Students develop effective communication

skills in areas of speaking, writing and self-assessment. In HUM 132 each student is required to produce a self-assessment paper which reports on and evaluates the student's humanities experiences during both semesters of the course. This paper will figure as a part of the grade for the course and a copy of it will be forwarded to the student's mentor.

NSC 131: Inquiry in the Natural Sciences (3 credit hours)

An introduction to the processes and practices of the natural sciences: abstract thinking, numerical and graphical representation, experimentation, classification, problem solving, and researching the scientific problems will be presented as case studies—with emphasis on socially important issues. (One hour lecture, one hour recitation, two hours lab per week.)

NSC 132: Inquiry in the Natural Sciences (3 credit hours)

A continuation of NSC 131, this course covers currently accepted models in all of the natural sciences and the process by which these models came to be accepted. Areas of ongoing inquiry in science will be emphasized. (One hours lecture, one hour recitation, two hours lab per week.)

Rhetoric Colloquium 191-192 (3 credit hours each)

Inquiry into reading, writing and their relations. Focus on differences of genre and audience, with the aim of creating a real, not a simulated, writing-reading situation. Frequent reading, writing, and speaking assignments. Attention to the nature of "making a difference," "of mattering," "of being changed" by writing and reading, particularly those forms of discourse and rhetorical situations most commonly found within the university (including formal research). Equivalent to English 191-192, Composition Skills.

SSC 131-132: Inquiry in the Social Sciences (3 credit hours each)

An introduction to the various social sciences. The first semester is designed as an inquiry into contemporary social issues. The second semester provides an introduction to the black experience in the United States. Emphasis on reading and writing.

Core Curriculum (18 credit hours)

Organized by division, the core curriculum introduces freshmen to the pursuit and organization of knowledge in the university.

During first semester, these studies take the form of concentrated investigations within each division of subjects in three separate disciplines. Emphasis is placed on primary materials and the developing ability to pursue inquiry. Studio, field, and laboratory work complement the classroom.

Fall Courses: Inquiry in the Humanities (131), Social Sciences (133), and Natural Sciences (135)

Building on the initial inquiries, second semester allows students to spend more time on fewer subjects. But beyond the simple coverage of content, these courses are meant to examine the nature, and limits, of disciplinary claims to truth.

Spring Courses: Studies in the Humanities (132), Social Sciences (134), and Computer and Natural Sciences (136)

The core curriculum (18 hours) satisfies an equivalent number of the current distribution requirements in the General Education Program. With humanities, the social sciences, and the natural sciences, designated course equivalents are assigned.

PROGRAM CHANGES

The University reserves the right to alter, revise, or eliminate any academic program it deems necessary.

STUDENT SUPPORT SERVICES

Student Support Services is a federally-funded academic support program that serves a select number of students at the University, primarily freshmen. The purpose of the program is to provide necessary academic support services that will enhance students' academic performance and help them achieve their educational objectives (i.e., graduation from the University). Numerous academic services such as academic advising, tutoring in mathematics and foreign languages, and individualized English lab sessions are provided. Various other career development and cultural enrichment activities are offered to promote participants' total development.

The Student Support Services program emphasizes from the beginning of the freshman year the importance of participating fully in the educational process. A variety of activities is provided to allow students to assess their interests and to explore various fields of study and career options.

GENERAL EDUCATION PROGRAM

The main purpose of the general education program is to enable each student to acquire a broad and substantial foundation in the major fields of knowledge. The program is designed to complement the program of specialized education by preparing students for responsible and imaginative living.

Entering freshmen are required to take a series of examinations for placement and counseling purposes. The achievement tests in mathematics, and foreign language are for placement; interest and psychological tests are for use in counseling.

Students who, through testing, demonstrate proficiency in a subject matter area may be given advanced standing in that specific area. This procedure, however, will not reduce the total number of hours required for graduation.

A student may begin a major in the freshman year. Normally freshmen will not be permitted to take more than the normal load, twelve to eighteen credit hours.

***General Education Requirements for Graduation**

Area and Courses	Credit Hours
Orientation.....	2
Orientation 111, 112 (or equivalent; e.g. EGR 110)	
or	
Orientation 120	
(Not required for transfer students with 64 earned credit hours.)	
Foreign Language.....	6
Two semesters of same language or the equivalent	
English Composition and Literature	9
Rhetoric 191-192 (formerly ENG 191-192; 6 cr. hrs.)	
English 231 or 232 (3 cr. hrs.)	
The Humanities and Fine Arts.....	15
Speech 131 (3 cr. hrs.)	
Twelve hours from among the following:	
Humanities 131-132 (6 cr. hrs.)	
Art 231 (3 cr. hrs.)	
English 231 or 232 (not repeated above; 3 cr. hrs.)	
Music 131 (3 cr. hrs.)	
Philosophy 131 or Religion 130 (3 cr. hrs.)	
The Social Sciences.....	12
History 131-132 (6 cr. hrs.)	
Six credit hours distributed from among the following:	
Social Science 131-132 (6 cr. hrs.)	
Economics 231 (3 cr. hrs.)	
Political Science (3 cr. Hrs.)	
Sociology (3 cr. hrs.)	
Psychology (3 cr. hrs.)	
The Natural Sciences and Mathematics.....	12
Math—6 cr. hrs.	
Two Courses (at least 6 cr. hrs) from the Natural Sciences:	
Natural Science 131-132 (6 cr. hrs.)	
Biology 140 or above (4 cr. hrs.)	
Physical Science 141, Chemistry 141, or Physics 241 or 243 (4 cr. hrs.)	
Physical Education.....	4
Personal Hygiene 121 (2 cr. hs.)	
Activity — any two courses from P.E. 010 - P.E. 119, except P.E. 026-207 (2 cr. hrs.)	
Total.....	60

Freshman Orientation Course

The Orientation Program is designed to introduce entering freshmen and transfer students to campus life and provide them with the skills necessary for a successful college career. It is required for all students for graduation.

**Currently being Revised*

ORIENTATION 111-112

A course designed to introduce entering freshmen to the practices of successful study and living in the university community. Students participate in a small supportive learning group, under the leadership of a faculty mentor, to design the direction of their living/learning practices. In addition to this, the course invites students to assess their personal, academic, social, and career development in the context of an on going inquiry into the permanent domains of human concern. This course will meet weekly for a one hour session and is a requirement for graduation.

ORIENTATION 120**Two Credit Hours**

A course designed to introduce entering freshmen and transfer students to campus life and provide them with the skills necessary for a successful college career. In addition to this, the course will allow students the opportunity to explore their strengths, weaknesses and possibilities for growth and self-fulfillment in a supportive group setting, as well as establish an identity and their place within the institutional environment. The course content includes the following themes:

Environmental Awareness -the history and philosophy of the institution, familiarity with helping resources and academic procedures and developing appropriate study skills; **Personal Awareness** -achieving autonomy, identity, adequate coping skills and clarification of personal values, **Group Integration** -distinguishing group values from individual values and socialization. **Career Development and Preparation in Higher Education** -the importance of decision making, personal responsibility for education, the purpose of a liberal education, career exploration and academic major clarification. This course will meet twice weekly for a one hour session.

REQUIRED COMPETENCY TESTING/SENIOR PAPER

For students entering the University in the Fall of 1988 and thereafter, performances on competency tests will help determine their academic progression. Second-semester sophomores will be required to pass tests in basic communication and cognitive competencies in order to progress to junior status. Seniors will be required to pass tests in their major fields in order to graduate from the University.

REQUIRED COMPETENCY TESTING/WRITING AND SPEAKING PROGRAM/SENIOR PAPER

All students participate in the Writing and Speaking Across the Curriculum Program to sharpen communication skills. Some classes from every department are designated as writing and speaking intensive classes on the timetable each semester. Every student is required to complete 18 credit hours of writing and speaking intensive classes for graduation, ideally three hours each semester starting in the sophomore year. Credit for writing and speaking intensive classes may be earned in General Education, major, or elective courses.

The Writing and Speaking Across the Curriculum Program culminates in a Senior Investigative Paper required of every student for graduation. Faculty members advise their respective majors in preparing the Senior Investigative Paper, and the details of scheduling and exact requirements vary from department to department. In many

departments, students begin preliminary research, literature searches, topic formulation, or research design in the junior year. Students will receive detailed information on the paper requirement in their major from department advisors and other faculty members.

English

The University requirement of demonstrated English proficiency must be met by achieving a grade of C or better in Rhetoric 191 & 192, the required composition course or its equivalent.

Foreign Language

All students are required to take a minimum of two semesters or the equivalent of a foreign language, (six hours in one language distributed as 131 and 132).

Students who have studied two or more years of a foreign language in high school are required to take a placement examination in the language studied. According to their scores, students will be placed in 131, 132, 231, or 232. Those students who place in 231, as a result of the placement examination, have satisfied the equivalent of 132. They may elect to continue in the study of a foreign language as electives or upon recommendation of their major departments.

Students who have not previously studied French or Spanish may enroll in Elementary French 131 or Elementary Spanish 131 at Johnson C. Smith University. Students who wish to satisfy the language requirement with a language other than French or Spanish may take 131 and 132 at a college within the Consortium.

Exemption From Physical Education Activities

Each student is required to participate in the University physical education program. Students with physical disabilities of any nature may take physical education 119A and 119B to satisfy the P.E. activity requirement. Before enrolling in these courses a student will need to have a statement from their personal physician. This information must be documented in the physical education department. FORMER MILITARY PERSONNEL ARE EXEMPTED FROM PHYSICAL EDUCATION ACTIVITIES.

MAJOR PROGRAM

Students may concentrate in any one of four divisions and may major in the following subjects: biology, business administration (concentrations in accounting, banking and finance, management, marketing), chemistry, communication arts, computer science, economics, education-early childhood & intermediate, English, general science, health education, physical education, history, liberal arts-engineering

(3-2 plan with an engineering school), mathematics-physics, music-business, music education, political science, psychology, social science, social work, and sociology.

Application for Major

It is recommended that students apply for a major not later than the end of the fall semester of the sophomore year. As a result, department heads will have adequate time and opportunities to observe and to advise students while there is enough time to make necessary program adjustments. This plan enables students to find major areas that are most profitable for them. Forms to apply for the major may be obtained from the Office of the Registrar. When the major is approved, the department head retains a copy of the application and submits two copies to the registrar.

Changing of a Major

A student may change a major by obtaining the proper forms from the Registrar's Office. When the change is approved by the department head, one copy remains in the department and two copies are filed in the Registrar's Office.

DEGREES AND GRADUATION REQUIREMENTS

Degrees

The University administers work leading to the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Social Work.

Degrees with Honors

To be graduated cum laude, a student must have spent at least two years in residence at the University and at least earned an average of 3.00 to 3.49.

To be graduated magna cum laude, a student must have spent at least three years in residence at the University, earned an average of 3.50 to 3.69, and no grade below C.

To be graduated summa cum laude, a student must have spent at least three years in residence at the University, earned an average of 3.70 to 4.00 and no grade below C.

Graduation

Application for Degree

Seniors are required to file an application for degree, indicating expected date of graduation. (See University Calendar.)

General Requirements: Candidates for the bachelor's degree must complete at least 122 hours, must earn a minimum overall grade point

average of 2.00, must earn a minimum grade of C in any course that counts toward the major, and must satisfy all requirements of the curricula in the general education program.

Catalog Requirement: Graduation will be governed by the catalog under which students first enroll in the institution and if they graduate within a period of five years. Otherwise, current requirements must be met after that period of time. This regulation will be subject to such additional conditions that may be established by decisions of the Educational Policies Committee and approved by the Faculty and University administration.

Residence Requirements: The minimum residence requirement for the bachelor's degree is that the last 32 of the 122 semester hours required must be earned at Johnson C. Smith University.

Exceptions to this requirement may be made when approved by the Vice President for Academic Affairs, major advisor, department offering course or courses in question, and the President.

STUDENT RESPONSIBILITY: FAMILIARITY WITH THE UNIVERSITY CATALOG, MAINTAINING A SATISFACTORY GRADE POINT AVERAGE, PROPER COMPLETION OF THE ACADEMIC PROGRAM, AND SATISFYING ALL OTHER REQUIREMENTS FOR GRADUATION ARE RESPONSIBILITIES OF EACH STUDENT. ADVISORS WILL COUNSEL, BUT THE FINAL RESPONSIBILITY REMAINS THAT OF THE STUDENT. Students are obligated to comply with the reasonable rules and regulations of the university and all requirements for graduation. Students will graduate only when all requirements as specified by the applicable catalog have been completed. The University reserves the right not to graduate any student who has not complied with all graduation requirements.

SUMMER SCHOOL

Admission

The Johnson C. Smith University Summer School is open to all persons who are eligible in at least one of the following categories:

1. Persons desiring to take college courses for self-improvement;
2. Students completing requirements for degrees at other colleges (Statements of approval from a designated official must be presented if credit is to be transferred.);
3. Students completing requirements for degrees at Johnson C. Smith;
4. High school graduates intending to pursue a degree at Johnson C. Smith or other institution (These persons must apply for admission to the regular University program through the Office of Admissions at Johnson C. Smith or the institution to which the credit will be transferred.);

5. Inservice teachers who desire to upgrade, to renew, or to convert their certificates;
6. Veterans eligible under Public Law No. 91-219 of the Congress of the United States to take training in an approved institution (Johnson C. Smith is certified by the Veterans' Administration to provide training.).

Applications for admission may be obtained by writing to the Director of Summer School.

Fees

Tuition for all students is \$552.00 for a normal load of six credit hours. An additional charge of \$92.00* per credit hour will be made for any hours that exceed the normal load. Students who wish to take more than the normal load of six credit hours must consult the director of Summer School.

The fee for room and board will cover room rent and three meals per day. A \$25.00 deposit may be required. Students desiring room and board facilities should file an application with the director of student life programs.

All fees are due and payable on the day of registration. Fees are not refundable after the first week of each session. No exception to this regulation will be made for illness or any other reason for withdrawal. No refund will be made to students dismissed for academic or disciplinary reasons.

A late registration fee of \$10.00* will be charged after the first day of each session. NOTE: Late registration fees for veterans will not be paid by the Veterans' Administration. The veteran is personally responsible for late registration fees, payable in advance.

**Subject to change without notice to students when deemed necessary by the University.*

Financial Aid

National Direct Student Loans are available for summer study. For information, write to the following address:

Office of Financial Aid
Johnson C. Smith University
Charlotte, North Carolina 28216-5398

Course Offerings and Faculty Selection

Summer School courses are offered in most departments, depending upon demand. The Summer School faculty is usually composed of members from the regular faculty. Because of their special expertise, faculty members from other institutions are sometimes invited to join the Summer School faculty.

COURSE DESCRIPTIONS

ACADEMIC DIVISIONS

Subjects are arranged under the following four divisions:

Division I: **The Humanities**—art, communication arts, English, French, music, philosophy, religion, Spanish.

Division II: **The Social Sciences**—business administration (concentrations in accounting, banking and finance, management, marketing), economics, history, political science, social work, and sociology.

Division III: **Education, Physical Education and Health, and Psychology**—education (elementary education and secondary education), health, physical education, psychology.

Division IV: **Mathematics and Sciences**—biology, chemistry, computer science, mathematics, physics.

System of Course Numbers

The number of each course has three digits. The first digit indicates the classification level. The second digit indicates the number of credit hours. The third digit merely distinguishes the course from other courses in the classification and credit bracket of the department. Some courses have a middle digit of 8 or 9. The 8 indicates a two-credit course, and the 9 indicates a three-credit course.

Hyphenated courses are regarded as year courses and must be taken in sequence. Courses marked with an unexplained asterisk (*) are required for teacher certification. Courses marked with an unexplained dagger (†) may be used as general education requirements.

DIVISION I: THE HUMANITIES

The Division of Humanities includes four departments: Communication Arts, English, Foreign Languages, and Music. Majors and/or minors are offered in all these departments. Philosophy and religion courses are included in the Department of English.

Humanities

HUMANITIES 490 Senior Humanities Seminar

Three credit hours

An interdisciplinary seminar for majors in the humanities and in other related fields. A dialogue course designed to provide the opportunity for students to select a topic to be studied from the various perspectives of the humanities. Methods of instruction: independent research, seminar discussion, team teaching, visiting lecturers. Prerequisite: senior standing and permission of staff. (See English 490, Philosophy 490, and Religion 490.) SPRING SEMESTER.

DEPARTMENT OF COMMUNICATIONS ARTS

The Department of Communication Arts meets today's increasing demand for graduates trained in media. Television and radio stations, newspapers, and public relations agencies are seeking graduates trained as technicians, reporters, broadcasters, photographers, and other professionals in communication arts.

The area of mass media today has a greater impact upon the educational and cultural development of American society than any other single force. Its future vistas are unlimited. At present, it is the most effective means of connecting the learner with the available knowledge of the world.

The Department of Communication Arts has the following goals: first, to render service to society and the local community by training students to be highly competent in various areas of mass media; second, to maintain a reciprocal relationship between Johnson C. Smith University and local radio, television, video production, newspaper, public relations, and graphic design establishments; third, to provide new job opportunities and to discover new talents in students; and fourth, to help students to develop positive self-images by the accomplishment of work well done and by society's acceptance of worthy contributions.

The communication arts program emphasizes hands-on practice and experience in lab classes, on-campus workshops, and off-campus internships. Students learn basic skills in beginning classes in the sophomore year, take advanced classes and work in the production of complete programs or publications in on-campus workshops in the junior year, and work in internships in communications firms in the senior year. In on-campus workshops, students in Journalism and Graphic Arts produce a laboratory newspaper, students in Public Relations and Organizational Communication produce a professional newsletter and conduct public relations campaigns, and students in Telecommunications operate the campus radio station and produce television shows carried on the local cable service.

Through the major program, the Department of Communication Arts hopes to attain the following educational objectives: to acquaint the student with the possibilities of the media as art and as communication, to help the student improve written and verbal communication skills, to provide the student with practical experience on media produced in workshops within the curriculum, to provide the student with opportunities for expanded experience in the professional media of Charlotte, and to prepare the student well for the best graduate communications programs or good entry-level jobs in communications.

In light of the above objectives, the department is firmly committed to participating in the University-wide Writing and Speaking Across the Curriculum program. The following courses are typically offered as writing and speaking intensive classes: Art 134, Afro-American Art

History: Drama and Film 332, Film Criticism: JGA 337, Journalism and Graphic Arts Workshop; Media 231, Introduction to Mass Communications; Media 233, Media Writing; PUR 233, Business Writing; PUR 333, Public Relations; Speech 330, Speaking in the Professions; Telecommunications 235, Broadcast Operations; and Telecommunications 330, Broadcast News, Writing, and Announcing.

The major in communication arts consists of thirty-nine hours from the areas of Drama and Film, Journalism and Graphic Arts, Media, Public Relations and Organizational Communications, and Telecommunications, including Media 231, Media 233, Media 331 and Media 431 as required courses for all majors and additional required courses within each of the three professional major concentrations of study. (For students who entered the University under prior catalog requirements, Media 231 and Media 233 may be substituted for the previous requirements of Communications 231 and Communications 232.) The department administers service courses in Art and Speech. Students are often encouraged to take Art and Speech courses, but the classes do not count toward required major hours.

A minimum grade of "C" must be earned in all courses that count toward the major. A student may take a maximum of forty-eight hours of communication arts courses (excluding courses that do not count toward the major). Students may substitute up to nine hours of Management or Marketing courses from the Department of Business Administration and Economics for major electives with the permission of the Communication Arts Department. Permission is given when the Management or Marketing courses form an integral part of a student's major program.

The communication arts major is extremely popular, and the cost of instruction makes it impossible to meet the demand without restrictions. Consequently, admission to the major is not automatic. To be prepared for internships, students should begin taking communication arts courses in the first semester of the sophomore year. In the first semester, a student is advised by department faculty members but is on probationary status as a major.

During the first semester, a student takes tests in communication skills and current events. A decision on admission to the major is made before the start of the student's second semester based upon the test scores, grade point average, grades in communication arts classes, and reports from teachers. A minimum GPA of 2.5 is required for admission to the major except in cases of other signs of exceptional promise. In borderline cases, a student may be continued on probationary status and a decision on admission to the major deferred for one additional semester.

Shortly after beginning to take communication arts classes, each prospective major decides upon a concentration and plans an individual program of study in consultation with an advisor. Concentrations available are (1) Journalism and Graphic Arts, (2) Public Relations

and Organizational Communication, and (3) Telecommunications. In most cases, a student's individual program of study is similar to the "suggested program" for the concentration. In every case, the individual program includes the department requirements above and the following additional concentration requirements: (1) for Journalism and Graphic Arts, JGA 331, Reporting, and JGA 333, Editing; for Public Relations and Organizational Communications, PUR 233, Business Writing, and PUR 333, Public Relations; and (3) for Telecommunications, TEL 235, Broadcast Operations, and either TEL 236, Audio Production and Programming I, or TEL 237, Television Production and Programming I Competency tests administered to a major in the senior year focus mainly on the two department-wide required courses and the two required courses in the student's concentration.

Communication arts majors are preparing for at least ten different entry-level jobs, either directly after graduating from Johnson C. Smith University or after advanced study in graduate programs. Consequently, individual programs of study may differ significantly for students within the same concentration, and many individual programs include a number of courses from outside a student's own concentration. In addition, given the fluctuating and competitive nature of the job market, many students take significant course work in two concentrations to prepare for a wider range of possible entry jobs.

A minor in communication arts consists of eighteen credit hours from the areas of Drama and Film, Journalism and Graphic Arts, Media, Public Relations and Organizational Communication, and Telecommunications. As for majors, a plan of study must be devised by the student and a communication arts advisor, and in consultation with the student's major advisor as appropriate. Normally, the plan of study includes some of the courses required of a major in the area of the student's interest. As for majors, Art and Speech courses do not count toward the required hours for the minor.

The Communication Arts Department is committed to making its classes available to minors and to other non-majors throughout the University for whom communication arts courses form a relevant part of their programs of study. However, the nature of the subject matter, equipment limitations, and the cost of materials require small size limits in a number of classes. The department reserves the right to limit non-major enrollment in classes when (1) a class is not related to a non-major's program of study and (2) non-major enrollment would exclude majors from a class they need to stay on schedule in the completion of the major program.

DRAMA AND FILM

DRAMA 232 Introduction to Drama

Three credit hours

A comprehensive survey of history and theory of the theatre from classical to modern times.

FILM 332 Film Criticism**Three credit hours**

Study of the film as an art form. Viewing and criticism of short and longer subjects. Emphasis on contemporary film. Recommended as a major elective for Journalism and Graphic Arts students because the course includes extensive practice in writing reviews and criticism.

DRAMA Drama and Film Workshop**Three credit hours**

A practical course in the staging of plays. Attention given to acting, lighting, costuming, make-up, scene design, and other aspects of the art. Lecture and workshop. Open to all students interested in dramatics. Recommended as a major elective for Telecommunications students. May be repeated once for credit toward graduation, but only three hours may be counted toward credit for the communication arts major. Prerequisite: Permission of Department.

DRAMA Modern Drama**Three credit hours**

Extensive reading and study in representative works of modern European and American dramatists. Attention given to purpose, theme, and techniques. (Same as English 433.)

JOURNALISM AND GRAPHIC ARTS

JGA 233 Photography I**Three credit hours**

A course in basic camera and darkroom techniques for beginners. Fee

JGA 234 Photography II**Three credit hours**

Advanced course in composition, use of lighting for the still camera, darkroom techniques and slide making. Prerequisite: Journalism and Graphic Arts 233. Fee

JGA 235 Design I**Three credit hours**

Beginning course in visual concepts and design techniques employed in publishing. Includes beginning drawing, lettering, posters, color separation and layout. Fee

JGA 236 Design II**Three credit hours**

Advanced course in visual concepts and design techniques employed in publishing. Includes intermediate drawing, silk screen, editorial design, layout and cartooning. Fee

JGA 330 The Afro-American Press**Three credit hours**

A comprehensive history of the Afro-American Press and an examination of black newspapers.

JGA 331 Reporting**Three credit hours**

Development of sound news judgment. Practice in various methods of searching for news, interviewing and fact finding, and techniques of reporting news. Required of students in the Journalism and Graphic Arts concentration. Prerequisite: Media 233.

JGA 333 Editing**Three credit hours**

Techniques and production processes employed in various types of publications. Copy editing, headline writing, layout and other facets of editing newspapers, with some attention to other types of publications as time permits. Required of students in the Journalism and Graphic Arts concentration. Prerequisite: Media 233.

JGA 335 Print Media Management, Marketing and Sales **Three credit hours**
Covers business-side operations in print media firms, including advertising, circulation, marketing, promotions and sales. Prerequisite: Media 231.

JGA 337 Publishing and Graphic Arts Workshop **Three credit hours**
Practical experience in reporting, writing, editing, layout, design and photography for the newsletter and magazine. May be repeated once for credit if available space permits. Prerequisites: Media 233 and permission of Department.

JGA 319, 329, 339 Special Topics in Journalism and Graphic Arts
One to three credit hours
Advanced study in professional practices in journalism and graphic arts. May be repeated for up to six hours of credit if topics are different. Prerequisite: Permission of Department.

JGA 413, 423, 433 Internship in Publishing and Graphic Arts
One to three credit hours
Practical experience in publishing and graphic arts in local organizations. Open only to advanced communication arts majors and upon the determination by an advisor that the student is prepared for the internship desired. May be repeated for a total of six credit hours. Prerequisite: Permission of Department.

MEDIA

MEDIA 231 Introduction to Mass Communication **Three credit hours**
The course presents a survey of the nature, characteristics and history of the mass communications industries—newspapers, magazines, motion picture, records, radio, television, public relations and advertising. It also introduces students to professional opportunities in those fields with guest speakers from and field trips to local communication firms. Once class period a week is two hours long to permit field trips. Required of communication arts majors. Should be taken as soon as possible after a student enters the department, preferably in the sophomore year.

MEDIA 233 Media Writing **Three credit hours**
Basic techniques of writing in styles and formats widely employed in the professional media. Required of all majors, preferably in the sophomore year.

MEDIA 331 Junior Seminar
The student will formulate a topic, conduct a literature search, and develop a research plan as necessary to write a proposal for a senior investigative paper. The proposal will be presented orally and reviewed by at least one reader, whose advice will be considered by the instructor in determining the grade. Successful completion of the course requires acceptance of the written proposal. The course requires regular individual meetings with the instructor in addition to scheduled class time. Required of junior communication arts majors.

MEDIA 431 Senior Seminar
The student will write a senior investigative paper and present it orally. The paper will be reviewed by at least one reader, whose advice will be considered by the instructor in determining the grade. Successful completion of the course requires acceptance of the senior investigative paper. The course requires regular individual meetings with the instructor in addition to scheduled class time. Required of senior communication arts majors.

PUBLIC RELATIONS AND ORGANIZATIONAL COMMUNICATION

- PUR 233 Business Writing** **Three credit hours**
 Techniques of writing in business and other organizational contexts, including letters, reports, studies and publicity materials. Public Relations students may be advised to enroll in sections taught by faculty members in the Public Relations concentration. Required of students in the Public Relations and Organizational Communication concentration. Same as English 233.
- PUR 234 Video Production** **Three credit hours**
 Instruction and practice in camera and editing techniques for corporate video and introduction to the selection of subject matter, producing and directing.
- PUR 333 Public Relations** **Three credit hours**
 Techniques and case studies in public relations for business and non-profit organizations. Prerequisite: Public Relations and Organizational Communication 233. Required of students in the Public Relations and Organizational Communication concentration.
- PUR 334 Corporate Video** **Three credit hours**
 Instruction and practice in writing, staging, shooting and editing videotapes of the types commonly used in corporate and public-service campaigns. Advanced practice in camera and editing techniques. When possible, students make tapes to be used in public relations campaigns. Prerequisite: PUR 234.
- PUR 336 Consumer Behavior** **Three credit hours.**
 This course will cover human behavior as it relates to the consumption of goods and the use and acceptance of service. The early history, growth and recent trends in consumer psychology will be incorporated into coverage of consumer decision making. Finally, the role of the consumer psychologist will be explored with emphasis on occupations which apply psychological concepts to the study of consumer behavior. Same as Psychology 336.
- PUR 337 Public Relations Workshop** **Three credit hours**
 Practical experience in public relations work, including writing for a professional newsletter, promotional campaigns and other public relations work as available in any semester. May be repeated once for credit if available space permits. Prerequisites: Media 233 and permission of Department.
- PUR 319, 329, 339 Special Topics in Public Relations and Organizational Communication** **One to three credit hours**
 Advanced study in professional practices in public relations and organizational communication. May be repeated for up to six hours of credit if topics are different. Prerequisite: Permission of Department.
- PUR 413, 423, 433 Internship in Public Relations and Organizational Communication** **One to three credit hours**
 Practical experience in public relations and organizational communications in local organizations. Open only to advanced communication arts majors and upon the determination by an advisor that the student is prepared for the internship desired. May be repeated for a total of six credit hours. Prerequisite: Permission of Department.

SPEECH

Speech courses do not count toward required major hours in Communications Arts.

- SPEECH 131 Fundamentals of Speech** **Three credit hours**
Beginning public speaking course. Includes training in pronunciation and delivery, as well as the preparation and presentation of effective public messages.
- SPEECH 231 Voice and Diction** **Three credit hours**
The course presents instruction and drills for the improvement of vocal characteristics, including diction, pitch, tempo and quality. Includes lectures on the vocal apparatus and the International Phonetic Alphabet. Also includes intensive individual instruction.
- SPEECH 330 Speaking in the Professions** **Three credit hours**
Practice in preparing and presenting various types of speeches expected of professional people and in planning and conducting public discussions. Practice in parliamentary procedure.

TELECOMMUNICATIONS

- TEL 211 Station Operations** **One credit hour**
Introduction to all facets of the operation of a station. Includes presentation by speakers from departments throughout a local station as well as field trips to the station. In most weeks the class meets for one hour for a presentation on campus by a guest from the station. However, a class period of two hours is scheduled to facilitate field trips. Telecommunications students must take TEL 235 concurrently when the two are scheduled in the same semester. Required of Telecommunications students. Enrollment may be limited to Telecommunications students when necessary.
- TEL 235 Broadcast Operations** **Three credit hours**
Introduction to all facets of station and network operations, including management, programming, regulation, ratings, advertising and sales. Also includes attention to public and educational broadcasting, cable services, and new technologies. The class includes guest speakers, field trips and readings from professional literature. Telecommunications students must take TEL 211 concurrently when the two are offered in the same semester. Required of Telecommunications students. Enrollment may be limited to Telecommunications students when necessary.
- TEL 236 Audio Production and Programming I** **Three credit hours**
Audio programming practices and production techniques, nature and types of programs, radio formats and strategies, acquiring and scheduling programs, program analysis and criticism. Includes considerable hands-on practice. Telecommunications students are required to take either TEL 236 or 237.
- TEL 237 Television Production and Programming I** **Three credit hours**
Camera and production work for television; writing, recording, performing, producing. Includes hands-on lab work as camera operators, tape editors, and producers for television. Telecommunications students are required to take either TEL 236 or 237.
- TEL 330 Broadcast News, Writing, and Announcing** **Three credit hours**
Instruction in gathering information, writing and announcing for radio and television. The focus is mainly on news and public affairs but the course may include some attention to other types of programming. Prerequisite: Media 233.

- TEL 331 Broadcast Sales, Marketing and Advertising** Three credit hours
Advertising sales, marketing strategies, the use of ratings and other research tools, station promotion, creative strategies in station ad production, and the preparation of advertising and marketing plans. Includes research projects and in-class presentations of advertising and marketing plans for broadcasting. Prerequisites: Media 231 and either TEL 235 or appropriate PUR courses, as determined by an advisor, for Public Relations students.
- TEL 332 Audio Production and Programming II** Three credit hours
Advanced study of functions, theory, tools, and techniques of audio production and writing. Students write, perform, and produce in studios and production rooms. Includes the study of various audio equipment and practice in production techniques. Prerequisite: TEL 236.
- TEL 333 Television Production and Programming II** Three credit hours
Advanced study and practice in television studio and field production, including both technical and creative facets of the work; writing, producing and editing television programs. Prerequisite: TEL 237.
- TEL 335 Radio Workshop** Three credit hours
Work in the campus radio station, WJCS. Students conduct all facets of station operations. With the approval of the instructor a student may either gain experience in various aspects of operations or concentrate on one function - production, announcing, programming, promotions, etc. May be repeated once for credit if space permits. Prerequisites: for Telecommunications students, TEL 235 and at least one of the following: TEL 236, 330 or 331; for JGA and PUR students, certain courses from those concentrations may be substituted as prerequisites for certain staff assignments at the discretion of the advisor and the instructor; permission of the department.
- TEL 337 Television Workshop** Three credit hours
Work on the production of public affairs television shows. With the approval of the instructor a student may either gain experience in various facets of the production of a show or concentrates on one function — research, interviewing, camera work, editing, etc. May be repeated once for credit if space permits. Prerequisites: for Telecommunications students, TEL 237 or 330; for JGA or PUR students certain courses from those concentrations may be substituted as prerequisites for certain assignments at the discretion of the instructor and the advisor; permission of department.
- TEL 338 Workshop in Acting and Directing for Video** Three credit hours
Work on a videotaped production which will be carried locally if the quality merits showing and time is available. With the approval of the instructor a student may enroll to gain acting experience, to gain television production experience or to perform any other role needed in the staging of a play for television. May be repeated once for credit if space permits. Prerequisite: Drama 333 or other drama experience or TEL 237 or other preparation deemed suitable by the advisor and the instructor for certain assignments; permission of department.
- TEL 319, 329, 339 Special Topics in Telecommunications** One to three credit hours
Advanced study in professional practices in telecommunications. May be repeated for up to six hours of credit if topics are different. Prerequisite: Permission of Department.

TEL 413, 423, 433 Internship in Telecommunications **One to three credit hours**
Practical experience in telecommunications organizations. Open only to advanced Communication Arts majors and upon the determination by an advisor that the student is prepared for the internship desired. May be repeated for a total of six credit hours. Prerequisite: Permission of Department.

ART COURSES

Art courses do not count toward required major hours in Communication Arts.

ART 130 Basic Design **Three credit hours**
A course designed to acquaint students with the principles of draftsmanship, color scheme variables, and principles of their application. Materials to be explored in this course: collage techniques, matting, acrylic and water color painting, various uses of charcoal, linoleum block printing, basic sculptural forms, and oil painting.

ART 133 Introduction to Drawing and Painting **Three credit hours**
Emphasis on understanding form, line linear organization, color harmony, and physical properties of pigment (oil, acrylic, and color), and methods of canvas preparation and framing.

ART 134 Afro-American Art History **Three credit hours**
A supplement to regular mainstream approaches in teaching American art history. Acquaints students with the distinguished creative output of persons of Afro-American backgrounds. Examines some two hundred years of black creative efforts.

ART 230 Art for the Elementary School **Three credit hours**
A discussion of skills which will facilitate art work in the elementary school. Emphasis on developing creative ability. Two two-hour class meetings each week.

ART 231 Survey of Art History **Three credit hours**
Survey of styles and themes in art of major historical periods.

JOURNALISM AND GRAPHIC ARTS

Freshman Year

	Credit Hours	Spring Semester	Credit Hours
Fall Semester			
Rhetoric 191	3	Rhetoric 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Mathematics 132	3
Art 231	3	Speech 131	3
Orientation 120	2	Music 131	3
Physical Education 121	<u>2</u>	PE activity	<u>1</u>
	16		16

Sophomore Year

English 231	3	English 232	3
History 131	3	History 132	3
Religion 130 or Phil 131	3	Biology 140	4
Media 231	3	JGA 235	3
Media 233	3	JGA 331	<u>3</u>
PE activity	<u>1</u>		16
	16		

Junior Year

Physical Science 141	4	Social Science	3
Social Science	3	JGA 335	3
JGA 233	3	JGA 337	3
JGA 333	3	Electives	<u>6</u>
JGA 337	<u>3</u>		15
	16		

Senior Year

JGA 433	3	JGA 433	3
Major Elective	3	Major Elective	3
Electives	<u>9</u>	Electives	<u>9</u>
	15		15

PUBLIC RELATIONS AND ORGANIZATIONAL COMMUNICATION

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Mathematics 132	3
Art 231	3	Speech 131	3
Orientation 120	2	Music 131	3
Physical Education 121	<u>2</u>	PE activity	<u>1</u>
	16		16

Sophomore Year

English 231	3	English 232	3
History 131	3	History 132	3
Religion 130 or Phil 131	3	Biology 140	4
Media 231	3	Media 233	3
PUR 233	3	JGA 235	<u>3</u>
PE activity	<u>1</u>		16
	16		

Junior Year

PUR 234	3	PUR 334	3
PUR 333	3	PUR 337	3
JGA 233	3	Physical Science 141	4
Social Science	3	Social Science	3
Elective	<u>3</u>	Elective	<u>3</u>
	15		16

Senior Year

PUR 433	3	PUR 433	3
Major Elective	3	Major Elective	3
Electives	<u>9</u>	Electives	<u>9</u>
	15		15

TELECOMMUNICATIONS

Freshman Year

	Credit Hours	Spring Semester	Credit Hours
Fall Semester			
Rhetoric 191	3	Rhetoric 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Mathematics 132	3
Art 231	3	Speech 131	3
Orientation 120	2	Music 131	3
Physical Education 121	<u>2</u>	PE activity	<u>1</u>
	16		16

Sophomore Year

English 231	3	English 232	3
History 131	3	History 132	3
Religion 130 or Phil 131	3	Media 231	3
TEL 211	1	Media 233 or PUR 233	3
TEL 235	3	TEL 237	3
TEL 236	<u>3</u>	PE activity	<u>1</u>
	16		16

Junior Year

Biology 140	4	Physical Science 141	4
Social Science	3	TEL 335	3
TEL 330 or 331	3	Media 233 or Major Elective	3
Major Elective	3	Elective	<u>3</u>
Elective	<u>3</u>		16
	16		

Senior Year

TEL 433	3	TEL 433	3
Major Elective	3	Major Elective	3
Electives	<u>9</u>	Electives	<u>9</u>
	15		15

DEPARTMENT OF ENGLISH

The Department of English seeks to accomplish the following aims: first, to develop in students an adequacy in the skills of effective writing, speaking, listening, and reading; second, to emphasize the importance of a mastery of the tools of communication for achievement in all phases of living; third, to acquaint students with many of the literary masterpieces of the world, together with principles of evaluating them; fourth, to encourage students in the cultivation of a genuine appreciation for literature; fifth, to provide specialized and intensive study in English and American literature, as well as in the English language, for students who desire to pursue careers in the teaching of English or in letters; and sixth, to enhance communicative skills of the pre-professional major.

The Department of English offers a major program, an English education major, and a minor program.

The major program, consisting of a minimum of thirty credit hours above the sophomore literature requirement, includes courses in English and American literature, language, criticism, and writing. The following courses are required: English 333-334 or 335-336, English 339, English 491 or 493, and one of the following: English 330 or English 430. Other courses should be elected to assure acceptable distribution over the entire field of English language and literature. The major program prepares the student for graduate study, and for other professions requiring a strong background in communicative skills.

The English education major, consisting of a minimum of thirty-two credit hours above the sophomore literature requirement, includes the basic courses of the major program and the courses in education and psychology as prescribed by the Teacher Education Program. Where feasible, the English education major should secure at least fifteen credits in a second teaching field. The English Education Program prepares the student to teach in the secondary school.

A minor in English consists of eighteen credit hours in English above the sophomore literature requirement.

The following courses are required for the English education major: English 333-334, English 335-336, English 339, English 330 or 430, and English 491 or 493. English 338 is highly recommended.

In accordance with university policy, each English major is required to write a Senior Investigative Paper. During the final phase of the student's program, he or she will take a sequence of two courses, Principles of Literary Criticism (ENG 439) and Senior Seminar (ENG 490), designed to prepare the student to write the Senior Investigative Paper. Principles of Literary Criticism (ENG 439) is a prerequisite for the Senior Seminar (ENG 490). Completed papers will be presented orally to the departmental community, and students will be expected to provide an informal defense of their work.

Minors in English will not be given credit toward their concentration for courses in English in which they earn grades below C. A minimum grade of C must be earned in all courses that count toward the major.

LANGUAGE AND WRITING

RHETORIC 191-192 Colloquium In Rhetoric Three credit hours each

A study of composition, including the forms of discourse, rhetorical patterns, the application process, and the research paper.

NOTE: Students must receive a grade not less than C to satisfactorily complete the course.

ENGLISH 233 Business Writing Three credit hours

Techniques of writing and other organizational contexts, including letters, reports, studies and publicity materials. Same as PUR 233.

ENGLISH 337 Creative Writing **Three credit hours**
 Study of theory and techniques of the short story, the essay, the novel, and poetry. Individual experimentation in the various genres. Enrollment with prior consent of instructor.

ENGLISH 390 Studies in Textuality: Advanced Reading **Three credit hours**
 A cross-disciplinary study of culturally important works via the methods of textual inquiry. A work's ability to convey meaning is explored as both a feature of its content (plot, argument, or ideas) and of its textuality (how it behaves in relation to historical systems of discourse). Prerequisites: His 131-132, Eng 231 or 232. Recommended for all students who wish to increase their proficiency as readers.

ENGLISH 391 Advanced Composition **Three credit hours**
 Use of literature as a basis for writing themes and developing oral and written communication skills. Emphasis on specialized kinds of writing. Review of the business letter and English fundamentals. Mastery of the techniques of research, using the *MLA Style Sheet* as a guide. Recommended for all students who wish to increase their proficiency in oral and written composition.

ENGLISH 491* The English Language **Three credit hours**
 A study of the principles of language study, with special attention to the historical and linguistic forces which have affected the development of the English language.

ENGLISH 493* Modern English Grammar **Three credit hours**
 Rapid review of traditional grammar and current usage problems, followed by a descriptive analysis of the structure of present-day English in the light of recent research in linguistics.

LITERATURE

ENGLISH 231-232 World Literature **Three credit hours each**
 An in-depth study of selected literary masterpieces primarily of Western civilization. Attention to major works of other cultures.

NOTE: The chronology of period and literary movements will be observed wherever feasible; the two halves of the course must be taken in sequence.

ENGLISH 235 Introduction to Fiction **Three credit hours**
 This course, designed primarily for the English major, teaches the student to read with understanding selected primary sources from classical mythology. Through these readings the student will learn theme, idea, and interpretation, character (as sum of personal qualities), structure, and technique. (May substitute for English 232)

ENGLISH 330 Chaucer **Three credit hours**
 Detailed study of the "Canterbury Tales" and "Troilus and Criseyde." Attention to Middle English and medieval culture. Study of changing critical approaches to Chaucer.

ENGLISH 333-334 English Literature **Three credit hours each**
 A survey of English literature from Beowulf to selected works of the present time. Offered in alternate years.

- ENGLISH 335-336 American Literature** **Three credit hours each**
A survey of American literature from selected works of the Colonial Period to selected works of the present time. Offered in alternate years.
- ENGLISH 339 Shakespeare** **Three credit hours**
A study of at least twelve of the plays (eight in detail). (Same as Drama 339.)
- ENGLISH 395 Honors Seminar** **Three credit hours**
A seminar for majors who are pursuing departmental honors in English. Thematically organized course. Provides an opportunity for students to study a selected topic by means of independent research and seminar discussions.
- ENGLISH 430 Milton** **Three credit hours**
Selected prose and all of the English poems.
- ENGLISH 431 English Literature of the Restoration and the Eighteenth Century** **Three credit hours**
A study of English literature from the Restoration to 1798.
- ENGLISH 432 The Bible as Literature** **3 credit hours**
A non-sectarian literature course which aims to lead the student — as lay reader — to an understanding and appreciation of the Sacred Writings of the Judaeo-Christian tradition as literature. It will be a research-oriented course with a strong hermeneutical emphasis as opposed to a text-analysis emphasis.
- ENGLISH 433 Modern Drama** **Three credit hours**
Extensive reading and study in the works of representative European and American dramatists. Attention to purpose, theme, and techniques. (Same as Drama 433.)
- ENGLISH 435 Studies in Romantic Literature** **Three credit hours**
A detailed study of the Romantic Movement, including the major English poets — Blake, Wordsworth, Coleridge, Byron, Shelley, Keats — and a broad understanding of the significant prose of the period.
- ENGLISH 436 Studies in Victorian Literature** **Three credit hours**
A study of the major post-Romantic poets. Varying choice of subject matter from year to year.
- ENGLISH 437 Contemporary Literature** **Three credit hours**
Study of outstanding figures of British and American literature from 1914 to the present. Varying choice of authors and subjects from year to year.
- ENGLISH 439 Principles of Literary Criticism** **Three credit hours**
Review of the history of Western criticism, study of developments in literary theory, guided experiences with practical criticism.
- ENGLISH 440 The British Novel** **3 credits**
A historical and critical survey of British fiction from the eighteenth century to the present. Varying choice of subject matter from year to year.
- ENGLISH 441 The American Novel** **3 credits**
A historical and critical survey of American fiction from the nineteenth century to the present. Varying choice of subject matter from year to year.
- ENGLISH 490 Senior Seminar** **Three credit hours**
(See Humanities 490: Senior Humanities Seminar.)

- ENGLISH 494

Afro-American Literature: 1920 to the Present

Three credit hours

A study of the literature of the period and its historical, cultural, and aesthetic perspectives. Open to inservice teachers, juniors, and seniors.
- ENGLISH 495

Honors Seminar

Three credit hours

A seminar for senior majors who are pursuing departmental honors in English. Advanced research and discussion of selected topics in literature and related areas. Open to juniors upon recommendation of adviser.
- ENGLISH 497-498

Special Topics in English

Three credit hours each

Detailed investigation of a special topic in language or literature.
- ENGLISH 499

Independent Study

One to six credit hours

A planned and structured project cooperatively defined by student and faculty. Student permitted to contract to complete work in the areas of language, writing, or literature. Enrollment: one, two, or three hours according to the scope of work to be completed. May be taken again for three additional hours of credit. Open to majors and to English education majors.

THE TEACHING OF ENGLISH

- ENGLISH 338

Literature and Media for Adolescents

Three credit hours

A study of literature and media for adolescents. Open to students of intermediate and secondary education, as well as to inservice teachers. (Same as Communications 338.)
- ENGLISH 429

The Teaching of English

Three credit hours

A study of philosophy, materials, and techniques used in teaching language, literature, and composition in grades 7-12.

CURRICULUM FOR ENGLISH MAJORS

Freshman Year			
Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhc 191	3	Rhc 192	3
Hum 131	3	Hum 132	3
SSC 131	3	SSc 132	3
NSc 131	3	NSc 132	3
Fren. or Span. 131	3	Fren. or Span. 132	3
PE Activity	1	PE Activity	1
Ort 111	<u>1</u>	Ort 112	<u>1</u>
	17		17
Sophomore Year			
English 231	3	English 232	3
Math 131	3	Math 132	3
History 131	3	History 132	3
Fren. or Span. 231	3	Fren. or Span. 232	3
Physical Ed. 121	2	Speech 131	3
Religion 130	<u>3</u>	Elective	<u>3</u>
	17		18

Junior Year

English 333 or 335	3	English 334 or 336	3
English 330 or 430	3	English 339	3
English 493 or 491	3	English 337 or 391	3
Electives	<u>6</u>	Electives	<u>6</u>
	15		15

Senior Year

English 431 or 435	3	English 436 or 437	3
English 433	3	English 490	3
English 439	3	Electives	<u>9</u>
Electives	<u>6</u>		15
	15		

CURRICULUM FOR ENGLISH EDUCATION MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhc 191	3	Rhc 192	3
Hum 131	3	Hum 132	3
SSc 131	3	SSc 132	3
NSc 131	3	NSc 132	3
Math 131	3	Math 132	3
PE Activity	1	PE Activity	1
Ort 111	<u>1</u>	Ort 112	<u>1</u>
	17		17

Sophomore Year

English 231	3	English 232	3
Religion 130	3	Psy 131	3
History 131	3	History 132	3
Fren. or Span. 131	3	Fren. or Span. 132	3
Speech 131	2	English 336	3
English 335	<u>3</u>	Physical Ed 121	<u>2</u>
	18		17

Junior Year

English 333	3	English 334	3
English 493 or 491	3	English 339	3
Education 220	2	Fren. or Span. 232	3
Education 312	1	English 439	3
Education 395	3	Education 330	3
Psychology 237	3	Education 296	<u>3</u>
Fren. or Span. 231	<u>3</u>		18
	18		

Senior Year

English 429	2	Education 492	<u>12</u>
English 433	3		12
English 431 or 435	3		
English 490	3		
English 338	3		
English 330 or 430	<u>3</u>		
	17		

PHILOSOPHY AND RELIGION COURSES

PHILOSOPHY

Philosophy courses serve as electives in a wide variety of subjects for students in other disciplines who wish to broaden their intellectual perspectives. Philosophy courses that also serve as general education courses are indicated by a dagger (†) after the course number.

PHILOSOPHY 131† Introduction to Philosophy **Three credit hours**

A course introducing the student to the reading and doing of philosophy. Discussion of methods of philosophical inquiry and representative philosophical concepts. FALL and SPRING SEMESTERS.

PHILOSOPHY 231 Ancient Philosophy **Three credit hours**

The history of philosophical thought in the Greco-Roman world from the Ionians to the Roman Stoics. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 233† Practical Logic **Three credit hours**

A survey of the basic problems of clear and straight thinking with emphasis on their application to the use of language. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 234† Ethics **Three credit hours**

A study of basic methods and selected systems of ethical thinking discussed in terms of their relevance to present-day moral issues facing both individuals and society. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 331 Modern Philosophy **Three credit hours**

The history of the philosophical thought from the Renaissance to the present time. Prerequisite: Philosophy 231 or permission of the instructor. Alternate years. SPRING SEMESTER.

PHILOSOPHY 333 Philosophy of Religion **Three credit hours**

A philosophical investigation of such topics as faith and reason, religious language, nature and existence of God, religious view of man. Prerequisite: permission of the instructor. (Same as Religion 333.) Alternate years. SPRING SEMESTER.

PHILOSOPHY 432 Seminar in Philosophy **Three credit hours**

Advanced research on selected philosophical topics. Prerequisite: permission of the instructor. SPRING SEMESTER.

PHILOSOPHY 490 Philosophy Seminar in the Humanities **Three credit hours**

(Same as Humanities 490: Senior Humanities Seminar.)

RELIGION

The religion courses provide the opportunity for learning experiences in the following content areas: the Judeo-Christian tradition, including Biblical literature, church history, Afro-American perspectives; the African influence; other major religious traditions in the contemporary world; methods and procedures in Christian education and worship. Religion courses that also serve as general education courses are indicated by a dagger (†) after the course number.

- RELIGION 130† The Judeo-Christian Heritage** Three credit hours
The essential insights and ideas of the Old and New Testaments and their continuing values for man today. FALL and SPRING SEMESTERS.
- RELIGION 131† Survey of the Great Living Religions** Three credit hours
A study of the living religions of the world, including the religions of Africa, in the light of their historical development, beliefs, practices, and contemporary importance. FALL and SPRING SEMESTERS.
- RELIGION 231 Christian Education Program of the Church** Three credit hours
A thorough study of the organization and administration of an effective church program for adults, youth and children. FALL SEMESTER.
- RELIGION 232 The Life and Teachings of Jesus** Three credit hours
A study of the life and teachings of Jesus as found in the four Gospels and their relation to current problems. FALL SEMESTER.
- RELIGION 236 The History of Christianity in America** Three credit hours
A continuation of Religion 235. Major aspects of Christian thought and institutions in the United States, from colonial days to the present, with special reference to the development of the Afro-American churches. Alternate years. SPRING SEMESTER.
- RELIGION 330 The Black Man: His Religious Institutions and Thought** Three credit hours
A study of the Afro-American religious experience. Attention to its African antecedents, its development in dependence upon and independence of Euro-American Christianity, and the emerging critique of religion's relevance to culture. SPRING SEMESTER.
- RELIGION 331 Recent Development in Religious Experience** Three credit hours
The relation of contemporary religious thought to the occult, witchcraft, astrology, communal living, ESP, drug scene, and new modes of communication. SPRING SEMESTER.
- RELIGION 335 The Sociology of Religion** Three credit hours
A functional analysis of the interrelationships involving society, culture, and religion. The role of the church and religion in the social order and social change. Alternate years. SPRING SEMESTER.
- RELIGION 430 Seminar in Religion** Three credit hours
Advanced research on selected topics in religion. SPRING SEMESTER.
- RELIGION 490 Religion Seminar in the Humanities** Three credit hours
(Same as Humanities 490: Senior Humanities Seminar.)

DEPARTMENT OF FOREIGN LANGUAGES

The Department of Foreign Language is committed to providing an environment in which Johnson C. Smith University students may realize their individual potential as stated in the official purpose of the University. The department seeks to contribute to the student's intellectual, spiritual, social, and emotional growth by developing the communication skills of understanding, speaking, reading, and writing a foreign language and by developing a knowledge and understanding of a foreign culture.

Minors are offered in French and in Spanish. In addition to the objectives previously stated, students who minor in French or Spanish develop the ability to compare and to contrast cultures objectively and to acquire a knowledge of the civilization and literature of the target language.

All students who have studied a foreign language in high school are required to take a placement examination in the language studied. According to their scores, students will be placed in 131, 132, 231, 232. Those students who place in 231, as a result of the placement examination, have satisfied the equivalent of 132. They may elect to continue in the study of a foreign language as electives or upon recommendation of their major departments.

FRENCH

A minor in French consists of twelve credit hours beyond French 232, a total of twenty-four credit hours or the equivalent.

FRENCH 131 Elementary French **Three credit hours**
An introductory course in the audio-lingual skills of listening, speaking, reading, and writing.

FRENCH 132 Elementary French **Three credit hours**
Further emphasis on the audio-lingual skills. Prerequisite: French 131.

FRENCH 231 Intermediate French **Three credit hours**
Continued stress on reading and writing skills. Newspaper and magazine articles to be used as supplementary materials. Prerequisite: French 132.

FRENCH 232 Intermediate French **Three credit hours**
Reading of selected literary works. Special study of grammatical structure. Prerequisite: French 231.

FRENCH 331 French Civilization **Three credit hours**
A series of minicourses conducted in French history, geography, art, music, architecture, film, theatre, French-African literature, French for business and international affairs, and conversation. Prerequisite: French 232.

FRENCH 332 French Civilization **Three credit hours**
A continuation of French 331.

FRENCH 333 Advanced Studies in French Conversation, Grammar, and Composition **Three credit hours**
Instruction in French. Prerequisite: French 232.

FRENCH 334 French Phonetics **Three credit hours**
An intensive study in phonetics. Practical application of phonetics to modern standard French. Extensive oral exercises.

SPANISH

A minor in Spanish consists of twelve credit hours beyond Spanish 232 or a total of twenty-four credit hours.

SPANISH 131 Elementary Spanish **Three credit hours**
A course designed to develop the skills necessary for oral and written expression.

SPANISH 132 Elementary Spanish **Three credit hours**
Continued practice in the skills of oral and written expression. Prerequisite: Spanish 131.

SPANISH 231 Intermediate Spanish **Three credit hours**
Further practice in conversation and composition. Analysis of the basic grammatical principles. Prerequisite: Spanish 132.

SPANISH 232 Intermediate Spanish **Three credit hours**
Continued emphasis on spoken and written Spanish. Prerequisite: Spanish 231.

SPANISH 331 Advanced Spanish Grammar, Composition, and Conversation **Three credit hours**
Selected readings in Spanish and Latin-American literature. For students who desire intensive oral and written work in Spanish. Prerequisite: Spanish 232.

SPANISH 332 Advanced Spanish Grammar, Composition, and Conversation **Three credit hours**
Selected readings in Spanish and Latin-American literature. For students who desire intensive oral and written work in Spanish. Prerequisite: Spanish 331.

SPANISH 333 Survey of Spanish and Spanish-American Literature to 1700 **Three credit hours**
Lectures, reading, discussions, and reports conducted in Spanish.

SPANISH 334 Survey of Spanish and Spanish-American Literature Since 1700 **Three credit hours**
Lectures, readings, discussions, and reports conducted in Spanish. Prerequisite: Spanish 333.

DEPARTMENT OF MUSIC

The Department of Music includes two comprehensive music programs which lead to the Bachelor of Arts degree in either Music Education or Music-Business. Students who plan to enter either the Music Education program or the Music-Business program should begin the course of study in the freshman year.

The philosophy of the JCSU Music Department states that all Music majors, whether Music Education or Music-Business majors, will be knowledgeable and competent in music teaching, music business and musical performance, and that all music students, upon completion of music courses, will be prepared for a lifetime participation in musical activities within their communities as performers, patrons, and consumers of a variety of types and styles of music.

OBJECTIVES OF THE JCSU MUSIC DEPARTMENT

The objectives of the JCSU Music Department include the following: (1) to provide instruction and experiences for music students so that they may develop as creators, performers and teachers of music; (2)

to encourage music majors to continue their studies beyond the undergraduate level; (3) to provide instruction and musical experiences for non-music majors; (4) to provide musical enrichment for the cultural life of JCSU and surrounding communities.

ENTRANCE REQUIREMENTS

All prospective music majors and music minors must audition before the music faculty. The audition should be arranged before students arrive on campus for registration. Auditions may be scheduled during Freshmen Orientation Week. Students who live great distances from the campus may submit audio or video tapes. Students who are deficient in music theory and their music instrument will not be accepted into the Music Department until they demonstrate an acceptable entry level of proficiency.

GENERAL REQUIREMENTS FOR ALL MUSIC MAJORS

All music majors are required to:

1. attend all music recitals and concerts on campus, including student and faculty recitals, seminars and workshops;
2. perform in at least one student recital each semester;
3. pass a piano proficiency examination as a prerequisite to student teaching or internship;
4. to participate in ensembles, with or without academic credit, during each semester of enrollment, with the exception of the semester of student teaching or internship;
5. become members of the Student Chapter 341 of the Music Educators National Conference;
6. earn a minimum grade of "C" in any course which counts toward the major.

THE MUSIC EDUCATION MAJOR

The Bachelor of Arts degree with a major in music education is designed for students who wish to be certified in public school music. The music education program prepares the student for the North Carolina A Certificate for elementary and secondary school teaching. All music education majors are required to qualify for the North Carolina A Certificate and they must complete the professional and certification courses as outlined by the Department of Education, including Education 492, Student Teaching in the Secondary School. The student must pass the National Teachers Examination in order to be certified as a public school music teacher.

The student may select from two areas of preparation in music education, the Instrumental Program and the General Program. The student will demonstrate his competencies by completing forty-eight to fifty-three semester hours of study in music and music education.

The completion of the music education major will require either a heavier than average load during the student's four years, one or two summer sessions, an additional semester, or a fifth year. A senior recital is required of all Music Education majors before graduating.

Goals of the Music Education Program

1. To prepare music majors to teach traditional music courses and to direct choral and instrumental ensembles in public elementary and secondary schools.
2. To encourage music majors to obtain graduate degrees in music, as part of a continuing lifetime learning process.

MUSIC FEES

Individual lessons in all applied music: \$15.00 per one-half credit hour. Practice fee for all instruments: \$10.00 per semester.

ENSEMBLES

The Johnson C. Smith University Choir

The Johnson C. Smith University Choir is composed of students selected from all departments of the University and has been enthusiastically received in outstanding performances in many sections of the country. The choir studies and performs, with the highest standards possible, the best choral literature selected from the various periods and styles. The study and performance of this literature emphasizes (1) the principles of vocal production, i.e., breathing, posture, diction, tone quality, balance, blending, and (2) interpretation, i.e., tempo and rhythm, phrasing, dynamics and climax, attack and unanimity, pitch or intonation, and spirit or emotion. Members are accepted on the basis of a simple audition and may register for credit or participate without credit.

The Johnson C. Smith University Swing Choir

The Johnson C. Smith University Swing Choir is composed of a select group of students from the Johnson C. Smith University Choir. These students have exhibited extraordinary talents in music and showmanship. The group studies and performs Broadway, jazz, popular, folk, ballads and other musical genre.

The Johnson C. Smith University Marching Band

The Johnson C. Smith University Marching Band is composed of students selected from all departments of the University. The Marching band studies and performs, with the highest standards possible, and the best marching band literature. The band performs at all home football games, and on occasion, at games played away from the campus. Occasionally, the band participates in parades and other functions held within the Charlotte area. Members are accepted on the

basis of auditions which are held at the beginning of each fall semester. Members receive one credit hour for each semester in which they participate.

The Johnson C. Smith University Concert Band

The Johnson C. Smith University Concert Band is composed of students selected from all departments of the University. The Concert Band performs on the campus and at schools and other functions held within the Charlotte area. The band studies and performs the best band literature with the highest possible standards. The band serves as a laboratory for instrumental conducting students. Members are accepted on the basis of auditions which are held at the beginning of the spring semester. Members receive one credit hour for each semester in which they participate.

The Johnson C. Smith University Jazz Band

The Johnson C. Smith University Jazz Band is composed of members of the Concert Band. The Jazz Band strives to develop the talents of members in the area of jazz and Big Band music style. The band performs on the campus and throughout the Charlotte area. Auditions for membership in the Jazz Band are open to members of the Concert Band.

The University String Ensemble

The University String Ensemble is open to all students of the University. It studies and performs literature of the various periods and styles. The ensemble meets once a week and presents one performance each semester.

All ensembles serve as laboratories for conducting, and, where applicable, accompanying. All applied music classes serve as laboratories for accompanying.

THE MUSIC MINOR

A minor in music consists of twenty credit hours, including nine credit hours of theory, six credit hours of music history and literature, and five credit hours of approved electives.

MUSIC THEORY

MUSIC 132 The Fundamentals of Music

Three credit hours

A review course in basic musicianship, including the fundamentals of music and music theory. (Four class meetings per week.)

MUSIC 133 Music Theory I

Three credit hours

The integrated study of written theory and harmony, keyboard harmony, aural theory, analysis, and literature. Prerequisite: demonstration of competencies in Music 132. (Four class meetings per week.)

MUSIC 134 Music Theory II **Three credit hours**
 A continuation of areas begun in Music 133. Prerequisite: demonstration of competencies required in Music 133. (Four class meetings per week.)

MUSIC 233 Music Theory III **Three credit hours**
 The advanced integrated study of the materials and literature of music. Prerequisite: demonstration of competencies required in Music 134. (Four class meetings per week.)

MUSIC 234 Music Theory IV **Three credit hours**
 A continuation of areas begun in Music 233. Prerequisite: demonstration of competencies required in Music 233. (Four class meetings per week.)

APPLIED MUSIC

Piano

MUSIC 113-114 Piano (Individual) **One credit hour**
 Instruction to meet the needs of students at various stages of proficiency.

MUSIC 213-214 Piano (Individual) **One credit hour**
 Additional technique and repertoire materials.

MUSIC 313-314 Piano (Individual) **One credit hour**
 Continuation of advanced technique and literature.

MUSIC 413-414 Piano (Individual) **One credit hour**
 Continuation of advanced technique and literature. Senior recital.

MUSIC 423-424 Piano (Individual) **Two credit hours**
 Advanced study of technique and repertoire.

Organ

MUSIC 117-118 Organ (Individual) **One credit hour**
 A course requiring students to demonstrate ability to play the piano fluently, to have a working knowledge of scales, triads, and arpeggios, and to sight-read accurately. Principles of organ touch and technique; preparatory manual and pedal studies; selected pieces from standard organ repertoire.

MUSIC 217-218 Organ (Individual) **One credit hour**
 Advanced pedal and manual studies continued. Simple modulations at the organ; transpositions and improvisations; repertoire building continued.

MUSIC 317-318 Organ (Individual) **One credit hour**
 Continuation of previous course.

MUSIC 417-418 Organ (Individual) **One credit hour**
 Continuation of previous course.

Voice

MUSIC 115-116	Voice	One credit hour
	Study of basic principles of voice production and a variety of solo materials. Development of poise and stage deportment.	
MUSIC 215-216	Voice (Individual)	One credit hour
	Continuation of Voice 115-116.	
MUSIC 315-316	Voice (Individual)	One credit hour
	Continuation of Voice 215-216.	
MUSIC 415-416	Voice (Individual)	One credit hour
	Continuation of Voice 315-316. Senior recital.	
MUSIC 425-426	Voice (Individual)	Two credit hours
	Advanced study of technique and repertoire.	

Orchestral Instruments

MUSIC 610-611	String Class	One credit hour
	A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions	
MUSIC 612-613	Strings (Individual)	One credit hour
MUSIC 614-615	Strings (Individual)	One credit hour
MUSIC 616-617	Strings (Individual)	One credit hour
MUSIC 618-619	Strings (Individual)	One credit hour
	A study of the technique and repertoire of the chosen instrument.	
MUSIC 710-711	Woodwind Class	One credit hour
	A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions.	
MUSIC 712-713	Woodwind (Individual)	One credit hour
MUSIC 714-715	Woodwind (Individual)	One credit hour
MUSIC 716-717	Woodwind (Individual)	One credit hour
MUSIC 718-719	Woodwind (Individual)	One credit hour
	A study of the technique and repertoire of the chosen instrument. Senior recital.	
MUSIC 720-721	Woodwind (Individual)	Two credit hours
	Advanced study of technique and repertoire.	
MUSIC 810-811	Brass and Percussion Class	One credit hour
	A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions.	
MUSIC 812-813	Brass and Percussion (Individual)	One credit hour
MUSIC 814-815	Brass and Percussion (Individual)	One credit hour
MUSIC 816-817	Brass and Percussion (Individual)	One credit hour

MUSIC 818-819 Brass and Percussion (Individual) One credit hour
A study of the technique and repertoire of the chosen instrument. Senior recital.

MUSIC 820-821 Brass and Percussion (Individual) Two credit hours
Advanced study of technique and repertoire.

MUSIC EDUCATION

MUSIC 322 Conducting Two credit hours
A study of the technique of conducting instrumental and vocal groups.

MUSIC 323 Orchestration Two credit hours
A study of instruments of the orchestra, together with the practical study of the art of symphonic scoring.

MUSIC 427 Form and Analysis Two credit hours
A study of the small part-forms through the larger part-forms.

MUSIC 339 The Teaching of Music in the Elementary School Three credit hours
Principles, objectives, materials, and procedures for meeting the needs of the classroom teacher in the elementary school. Designed for elementary education majors.

MUSIC 432 Music in the School Curriculum Three credit hours
Principles, objectives, materials, and procedures for meeting the needs of the music teacher in the total school curriculum. The problems of organization, administration and teaching methods of the music teacher and supervisor in the elementary through the secondary school will be explored. Required for all music education majors.

MUSIC 433 Vocal and Choral Methods Three credit hours
Study of the voice dealing with techniques of vocal production, vocal problems, vocal literature and techniques for teaching voice to students and adults. Methods, materials, rehearsal techniques, administration and other major choral problems will be studied. Required for general music education majors.

MUSIC 434 Instrumental Methods Three credit hours
Study of methods, materials, techniques, organization, administration, equipment, marching band techniques and other major problems of instrumental teaching. Required for instrumental music education majors.

MUSIC 400 Senior Recital
Presentation of a program of music representing a variety of historical styles. Required of all Music Education majors. Grading on a P/NP basis. Requirement fulfilled with a "P" grade only.

MUSIC 429 Independent Study or Seminar Two credit hours
Investigation of some aspect of music or music education. Prerequisite: permission of the department.

MUSIC LITERATURE AND HISTORY

MUSIC 131 Introduction to Music Literature Three credit hours
An introduction to the history and literature of music. General Education course for all students.

MUSIC 337-338 Music History and Literature Three credit hours
A general survey of the development of music from primitive sources to the present day. These courses are designed for music majors.

ENSEMBLES

- MUSIC 111-112

University Choir

One credit hour
- Performance of choral works from various historical periods. Membership by audition. May be repeated for credit.
- MUSIC 210

University Marching Band

One credit hour
- Performance of popular music in various styles. Membership by audition. May be taken for credit or non-credit. May be repeated. Offered during the fall semester.
- MUSIC 211

University Symphonic Band

One credit hour
- Performance of concert music of various historical periods. May be taken for credit or non-credit. May be repeated. Offered during the spring semester.
- MUSIC 212

Jazz Ensemble

One credit hour
- Performance of jazz compositions in a variety of styles. Membership by audition. May be repeated. Offered during the spring semester.

CURRICULUM FOR MUSIC EDUCATION MAJORS
(INSTRUMENTAL)

Freshman Year			
Fall Semester	Credit Hours	Spring Semester	Credit Hours
ORT 111	1	ORT 112	1
RHC 191	3	RHC 192	3
HUM 131	3	HUM 132	3
SSC 131	3	SSC 132	3
NSC 131	3	NSC 132	3
MUS 133	3	MUS 134	3
Major Instrument or MUS 113	1	Major instrument or MUS 114	1
MUS 210	<u> </u>	MUS 211 or MUS 212	<u> </u>
	18		18
Summer School			
SPE 131	3		
MTH 131	<u> </u>		
	6		
Sophomore Year			
ENG 231	3	ENG 232	3
MTH 132	3	EDU 220	2
ART 231	3	PE (010-119)	1
MUS 233	3	MUS 234	3
PSY 237	3	HIS 131	3
MUS 213 or MUS 113	1	MUS 241 or 114	1
Major Instrument	1	Major Instrument	1
MUS 210	<u> </u>	MUS 211 or MUS 212	<u> </u>
	18	MUS 131	<u> </u>
			18
Summer School			
HIS 132	3		
PHI 131 or REL 130	<u> </u>		
	6		

Junior Year

FRE 131 or SPA 131	3	FRE 132 OR SPA 132	3
EDU 312	3	EDU 296	3
EDU 395	3	PSY 239	1
Major Instrument	1	Major Instrument	1
MUS 427	2	MUS 710	1
MUS 610	1	MUS 338	3
MUS 337	3	MUS 211 or MUS 212	1
MUS 210	1	MUS 322	2
PE (010-119)	<u>1</u>	MUS 323	<u>2</u>
	18		17

Senior Year

MUS 810	1	EDU 492	<u>12</u>
MUS 432	3		12
Major Instrument	1		
MUS 210	1		
HLT 121	2		
MUS 434	3		
MUS 429	2		
EDU 330	3		
MUS 400	<u>0</u>		
	16		

CURRICULUM FOR MUSIC EDUCATION MAJORS
PIANO/VOICE

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
ORT 111	1	ORT 112	2
RHC 191	3	RHC 192	3
HUM 131	3	HUM 132	3
SSC 131	3	SSC 132	3
NCS 131	3	NCS 132	3
MUS 133	3	MUS 134	3
MUS 113 or 115	1	MUS 114 or 116	1
MUS 111	<u>1</u>	MUS 112	<u>1</u>
	18		18
Summer School			
SPE 131	3		
MTH 131	3		

Sophomore Year

ENG 231	3	ENG 232	3
MTH 132	3	EDU 220	2
ART 231	3	HIS 131	3
MUS 233	3	MUS 234	3
PSY 237	3	MUS 131	3
MUS 213	1	MUS 214	1
(Major Instrument)	1	(Major Instrument	1)
MUS 111	<u>1</u>	MUS 112	1
	18	PE (010-119)	<u>1</u>
			17

Summer School

HIS 132	3
PHY 131 or REL 130	3

Junior Year

FRE 131 or SPA 131	3	FRE 132 or SPA 132	3
EDU 312	3	EDU 296	3
EDU 395	3	EDU 239	1
Major Instrument	1	Major Instrument	1
MUS 427	2	MUS 322	2
MUS 610	1	HLT 121	2
MUS 337	3	MUS 338	3
MUS 111	1	MUS 112	1
PE (010-119)	<u>1</u>	MUS 710	<u>1</u>
	18		17

Senior Year

MUS 810	1	EDU 492	<u>12</u>
Major Instrument	1		12
MUS 432	3		
EDU 330	3		
MUS 429	2		
MUS 433	3		
MUS 111	1		
MUS 400	<u>0</u>		
	14		

MUSIC-BUSINESS MAJOR

The Bachelor of Arts degree, with a major in music and a concentration in business, is designed for students who wish to pursue a career in music - business, encompassing management, sales and other business facets of music production. This course of study will present to the student the fundamentals of music theory and practice, applied music, and music history and literature. Applied music courses will stress technique, repertoire, and sources of materials of all instruments.

The most important aspect of the curriculum is that of the internship. Internships are based on the cooperative education principle—that of combining classroom learning with periodic intervals of planned and supervised practical experience away from the campus.

The management of artists is investigated and the possibility of working with radio and television is explored. In short, this course of study attempts to give the student the fundamentals of music theory, history and practice, as well as an understanding of the operation of the business system of the lucrative field of music.

Goals of the Music-Business Program

1. To prepare music majors to work in the field of music business, including companies which publish music books, periodicals, and music software; and companies which manufacture, sell, and import musical instruments;

- 2. To help prepare students to become music managers, booking agents, music dealers, and music salespersons.
- 3. To help prepare students for careers such as newspaper music critics or news reporters of musical events, music advisors for radio and television stations, or music researchers.

Degree Requirements

The degree requirements for the Bachelor of Arts in Music Education include 144 semester hours. The degree requirements for the Bachelor of Arts in Music Business include 133 semester hours.

MUSIC EDUCATION PROGRAM

Hrs.	Course
14	Music Theory
13	Applied Music
6	Music History
7	Ensembles
8	Music Education
30	Professional Education
4	Senior Paper
62	General Education

Total 144 semester hours

MUSIC/BUSINESS PROGRAM

Hrs.	Course
14	Music Theory
13	Applied Music
6	Music History
7	Ensembles
27	Business
4	Senior Paper
62	General Education

Total 133 semester hours

APPLIED MUSIC

All students will complete six semester hours credit in a major instrument. The choice of the major instrument will determine the curriculum which the student will follow.

All students will be auditioned in their major instrument and given advice relative to their registration and choice of a program of study.

ELECTIVES

The student will augment the basic program with courses elected from the following list:

Music

- Ensembles—University Choir Music 111-112
- University Marching Band Music 210
- University Symphonic Band Music 211
- Jazz Ensemble Music 212

	Credit Hours
Conducting—Music 322	2
Orchestration—Music 323	2
Music Literature and History—Music 337-338	3 (each semester)
Form and Analysis—Music 427	2

NOTE: Theory—Music 233-234 is a prerequisite of the above music courses, with the exception of the ensemble courses.

Business

- Management—333, 334
- Economics—231, 232
- Marketing—331, 332
- Accounting—235, 236
- Marketing—332

NOTE: These courses must be approved by the Business Administration Department.

CURRICULUM FOR MUSIC-BUSINESS MAJORS

Freshman Year

Fall Semester	Sem. Hrs.	Spring Semester	Sem. Hrs.
ORT 111	1	ORT 112	1
RHC 191	3	RHC 192	3
HUM 131	3	HUM 132	3
SSC 131	3	SSC 132	3
NSC 131	3	NCS 132	3
MUS 133	3	MUS 134	3
MUS 113	1	MUS 114	1
MUS 111 or MUS 210	<u>1</u>	MUS 111 or MUS 218	<u>1</u>
	18		18
Summer School			
SPE 131	3		
MTH 131	<u>3</u>		
	6		

Sophomore Year

ENG 231	3	ENG 232	3
MTH 132	3	EDU 220	2
ART 231	3	HIS 131	3
MUS 233	3	MUS 234	3
PHI 131 or REL 230	3	MUS 131	3
MUS 213	1	MUS 214	1
MUS 111 or MUS 210	1	MUS 112 or MUS 211	
(Major Instrument	<u>1</u>)	or MUS 212	1
	18	(Major Instrument	1)
		PE (010-119)	<u>1</u>
			18
Summer School			
HIS 132	3		
ECO 231	<u>3</u>		
	6		

Third Year

Music 337	3	Music 338	3
Music 134 or 233	3	Music 233 or 234	3
History 131	3	History 132	3
Economics 232	3	Marketing 332	3
Accounting 235	3	Accounting 236	3
Music Ensemble	<u>1</u>	Music Ensemble	<u>1</u>
	16		16

Fourth Year

Business 333	3	Economics 461	6
Marketing 331	3	Electives	<u>4-6</u>
Music 710	1		10-12
Music 810	1		
Music Ensemble	<u>1</u>		
	9		

**For Organ majors*
***For Piano majors*

VOICE/WOODWINDS/BRASS OR PERCUSSION/STRINGS

First Year

Courses	Fall Semester	Spring Semester
Rhetoric 191 and 192	3	3
Philosophy 131 or Religion 130	3	—
Art 231	—	3
Mathematics 131-132	3	3
Speech 131	—	3
Music 131	3	—
Music 133-134*	3	3
Music 113-114	1	1
Music 115-116 or Music 712-713 or Music 812-813 or Music 612-613	1	1
Applied Music	1	—
Physical Education (Activity)	<u>—</u>	<u>1</u>
Total	18	18

Second Year

English 231-232	3	3
History 131-132	3	3
Social Science Requirement 131	3	
Music 213-214	1	1
Music 215-216 or Music 714-715 or Music 814-815 or Music 614-615	1	1
Music 233-234	3	3
Economics 231-232	3	3
Applied Music	—	1
Physical Education (Activity)	<u>1</u>	<u>1</u>
Total	18	16

Junior Year

Fall Semester	Sem. Hrs.	Spring Semester	Sem. Hrs.
FRE 131 or SPA 131	3	FRE 132 or SPA 132	3
MAN 333	3	MAN 334	3
MUS 427	3	MUS 710	1
MUS 610	1	MUS 810	1
ECO 232	3	MAR 331	3
MUS 337	3	MUS 338	3
MUS 111 or MUS 210	<u>1</u>	MUS 112 or MUS 211 or MUS 212	1
	17	PE (010-119)	<u>1</u>
			16

Senior Year

MUS 432	3	ECO 461	6
MUS 11 or MUS 210	1	MUS 429	<u>2</u>
MUS 429	2		8
MAR 332	3		
ACC 235	3		
HLT 121	<u>2</u>		
	14		

DIVISION II: THE SOCIAL SCIENCES

The Division of the Social Sciences is composed of the following departments: Economics-Business Administration, History-Political Science, and Sociology-Social Work. The division offers majors in business administration (with concentrations in accounting, banking and finance, management, and marketing), economics, history, political science, social sciences (social studies), and sociology. Students majoring in any of these areas are required to take the following introductory courses: Economics 231, Political Science 131, Sociology 131, History 131/132,

THE SOCIAL SCIENCE MAJOR (SOCIAL STUDIES EDUCATION)

The social science major, consisting of forty-two credit hours of course work in the social sciences, is designed basically to accommodate two categories of students: (1) those who are prospective social studies teachers and (2) those who are seeking a general background in the social science area. Students choose the track that is most appropriate for them.

TRACK 1. Social Studies Education.

Students electing the social studies education track are required to complete History 131-132, 135-136, Economics 231, Political Science 131, Sociology 131, six credit hours of electives in history, and nine credit hours of electives from the other combined disciplines (economics, political science, and sociology). Students must also meet the university senior paper requirement by completing History 391 and 491.

The prospective teacher should meet with the Coordinator of Social Studies Education for a list and sequence of required education courses. One such required course is Social Science 336, Materials and Methods in High School Social Studies; this requirement is in addition to the forty-two hours in the social sciences described above.

Students desiring certification-only for social studies education, without earning a social science major at Johnson C. Smith University, must fulfill the same requirements described here under Track 1.

TRACK 2. General Social Science.

Students electing the general social science track are required to complete twenty-one credit hours of course work in one of the major areas of the social science division (economics, history, political science, or sociology) and twenty-one credit hours in the remaining three areas combined. The required hours must include the following introductory courses: Economics 231, History 131-132, Political Science 131, and Sociology 131. Students must also complete the senior paper requirement for the primary area; credit hours for courses related to the senior paper count toward the twenty-one hour requirement for the primary area.

Goals of Social Studies Education

To help students become complete human beings who can contribute to the development of society.

To ensure that students will acquire an understanding of the social, political, geographical, economic, and historic forces operating in society.

To provide in-depth preparation in history and the social sciences.

To train effective teachers by providing for the development of the skills required to formulate teaching objectives, use resources, select content, use effective teaching strategies, evaluate learning outcomes, and interact with students, parents, and others.

To promote a love of learning that can be transferred to students.

SOCIAL SCIENCE

SOCIAL SCIENCE 233 Statistics for the Social and Behavioral Sciences

Three credit hours

The application of descriptive and inferential statistics to data in the social and behavioral sciences. Emphasis on data classification, data reduction, the normal distribution, z scores, probability, hypothesis testing, z test, t test, statistical power. Prerequisites: Mathematics 131 and 132. (Same as Psychology 233, Sociology 233)
FALL SEMESTER

SOCIAL SCIENCE 336 Material and Methods in High School Social Studies

Three credit hours

Concerned with the philosophy, aims, methods, and techniques of teaching the social studies in secondary school. This course is a prerequisite for student teaching in the field of social studies. Offered upon demand.

SOCIAL SCIENCE 490 Social Science Seminar

Three credit hours

A course designed to help students to achieve a synthesis of social science knowledge. Conducted by selected members of the division faculty. Open to juniors and seniors, open to non-majors by permission of the staff. Offered for credit in students' chosen areas of concentration. (Same as Sociology 490.)

CURRICULUM FOR SOCIAL STUDIES EDUCATION MAJOR

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
Humanities 131	3	Humanities 132	3
Social Science 131	3	Social Science 132	3
Natural Science 131	3	Natural Science 132	3
Mathematics	3	Mathematics	3
Orientation 111	1	Orientation 112	1
Physical Education	<u>1</u>	Health Education 121	<u>2</u>
	17		18

Sophomore Year

Foreign Language	3	Foreign Language	3
English 231 or 232	3	Political Science 131	3
Art 231		Art 231	
or Music 131		or Music 131	
or Philosophy 131		or Philosophy 131	
or Religion 131		or Religion 131	
(but not both Phil. and Religion)		(but not both Phil. and Religion)	
or English 231 or 232		or English 231 or 232,	
(not taken previously)	3	(not taken previously)	3
History 131	3	History 132	3
Physical Education	1	History 235	3
Education 220	2	Psychology 239	<u>3</u>
Psychology 237	<u>3</u>		18
	18		

Apply for admission to Teacher Education the second semester of the sophomore year.

Junior Year

Education 312	1	Education 296	3
Education 330	3	Econ. or Pol. Sci.	
Education 395	3	or Soc. Elective	3
History 135	3	History 136	3
History Elective	3	History Elective	3
Sociology 131	<u>3</u>	Economics 231	3
	16	Speech 131	<u>3</u>
			18

Apply for student teaching this semester or next semester.

Senior Year

Social Science 336	3	Education 492	<u>12</u>
History Elective	3		12
Econ. or Pol. Sci.			
or Soc. Elective	3		
Econ. or Pol. Sci.			
or Soc. Elective	3		
Electives	<u>6</u>		
	18		

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

The Department of Business Administration has a fourfold purpose: first, to guide students in understanding the operation of business and economic systems and to stress the interrelation among the various social sciences; second, to prepare students for entry level jobs in profit and nonprofit-making organizations; third, to provide a broad background for majors who intend to pursue graduate studies in economics, business, and other related fields; fourth, to develop leadership qualities in students that are necessary for making a constructive contribution to society through a chosen vocation.

The department offers majors in economics and business administration with a concentration in either accounting, banking and finance, management, or marketing. In order to be admitted into the program, students must have minimum GPA of 2.3.

In addition to the general education requirements each student is expected to complete a 3 hour International elective course offered by the business department. A minimum grade of C must be earned in courses which count toward the major. All Economics and Business Administration majors must complete the following Business Administration core:

Accounting 235-236	6 hrs.	Management 333	3 hrs.
Economics 231-232	6 hrs.	Management 335	3 hrs.
Economics 233	3 hrs.	Marketing 331	3 hrs.
Economics 234	3 hrs.	Computer Science 131	3 hrs.
Banking & Finance 330	3 hrs.		

ECONOMICS (EC)

A Bachelor of Arts Degree in Economics requires the completion of 125 hours. This includes 60 hours of general education requirements, 36 hours of the business administration core, 15 hours of economics in addition to the core courses, banking and finance 331 (3 hrs.) and 9 hours of electives. Nine hours of electives must be chosen from the economics area.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS AND CORE)

Economics 335	3 hrs.	Economics 433	3 hrs.
Economics 336	3 hrs.	Banking and Finance 331	3 hrs.
Economics 432	3 hrs.	Economics 460	
Description of Courses in Major area			

ECONOMICS 231-232 Principles of Economics **Three credit hours each**
An introductory course in principles and theories of economics. Prerequisite: English 192 and Math 137

ECONOMICS 233 Statistics **Three credit hours**
Principles of applied business statistics, collection, tabulation, classification, presentation of business and economic data. Prerequisite: Economics 231-232 (Formerly Econ 234)

ECONOMICS 234 Quantitative Methods **Three credit hours**
An introduction to analytical decision-making tools used in business and economics. Topics include matrices, linear programming, simulation, queuing theory, and others. Prerequisite: Economics 233 (Formerly Economics 233)

ECONOMICS 332 Urban and Regional Economics **Three credit hours**
An analysis of the various theories of regional and urban development.

ECONOMICS 333 Economic Development of the United States **Three credit hours**
A study of the economic history of the United States during the twentieth century. Prerequisite: Economics 231-232.

ECONOMICS 334 International Economics and Social Problems**Three credit hours**

A comprehensive view of the international field of exchange, production, and distribution.

ECONOMICS 335 Microeconomic Theory**Three credit hours**

Examination of value and distribution theory, including the theory of consumer behavior and the theory of the firms. Prerequisite: 231-232.

ECONOMICS 336 Macroeconomic Theory**Three credit hours**

An analysis of the national income level, employment and price level. Prerequisite: Economics 335.

ECONOMICS 431 Industrial Organization and Regulation of Business**Three credit hours**

A discussion of market structures and problems of public policy created by the attempt at their control and regulation. Prerequisite: Economics 335 and 336.

ECONOMICS 432 Economics Research and Analysis**Three credit hours**

A Seminar approach to the examination of the following topics from the perspective of economics; problem formulation, literature review, research and analytical design, data collection, and analysis of data. Culminates with the completion of an investigative paper in 460. Prerequisite: Econ 233.

ECONOMICS 433 Economic Development**Three credit hours**

A study of the economics of underdeveloped countries. Major concentration on African countries. Prerequisite: Economics 335 and 336.

ECONOMICS 460 Senior Paper**Three credit hours**

Student will write an investigative paper based upon the research prospectus developed in the prerequisite course. The paper will be done under the supervision of the faculty person. Prerequisite: Econ 432.

ECONOMICS 461 A-B Cooperative Education Experience I Six credit hours each

Full-time cooperative education experience related to Economics. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

ECONOMICS 490 Internship**Three credit hours**

Internship related to Economics. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

ECONOMICS 491 A-B Cooperative Education Experience II**Three credit hours each**

Part-time cooperative education experience related to Economics. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Economics 461 A-B.

CURRICULUM FOR THE MAJOR AREA

Freshman Year

	Credit Hours		Credit Hours
Fall Semester		Spring Semester	
Rhetoric 191	3	Rhetoric 192	3
Natural Science 131	3	Natural Science 132	3
Social Science 131	3	Social Science 132	3
Humanities 131	3	Humanities 132	3
Math 131	3	Math 137	3
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16		16

Sophomore Year

French/Spanish 131	3	Accounting 236	3
History 131	3	English 232	3
Economics 231	3	Physical Education	1
English 231	3	Economics 232	3
Physical Education	1	French/Spanish 132	3
Accounting 235	<u>3</u>	History 132	<u>3</u>
	16		16

Junior Year

Phil 131/Rel 130	3	Marketing 331	3
Economics 233	3	Economics 234	3
Banking/Finance 330	3	Management 335	3
Banking/Finance 331	3	Speech 131	3
Management 333	3	Physical Education 121	2
Computer Science 131	<u>3</u>	Economics 335	<u>3</u>
	18		17

Senior Year

Economics 336	3	Economics 460	3
Economics 432	3	Economics 433	3
Elective Control By Dept.	<u>8</u>	Elective	<u>6</u>
	14		12

BUSINESS ADMINISTRATION

The courses offered in the Business Administration Curriculum provide specialized concentration in four areas: Accounting, Banking and Finance, Management, and Marketing. Each student is required to choose one area of concentration.

ACCOUNTING (AC)

A Bachelor of Science in Business Administration with a concentration in Accounting requires the completion of 125 hours. This includes 60 hours of general education requirements, 33 hours of the Business Administration core, 24 hours of Accounting and Accounting-specified courses (in addition to the core), and 6 hours of electives.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS AND CORE)

Accounting 335	3 hrs.	Accounting 435	3 hrs.
Accounting 336	3 hrs.	Accounting 437	3 hrs.
Accounting 337	3 hrs.	Accounting 439	3 hrs.
Accounting 433	3 hrs.	Accounting 460	3 hrs.

Description of Courses in Major Area

ACCOUNTING 235 Principles of Accounting (I) Three credit hours
A study of fundamental accounting principles with emphasis on managerial use of accounting data and analysis of financial statements. Prerequisite: Math 137.

ACCOUNTING 236 Principles of Accounting (II) Three credit hours
A study of basic accounting theory, corporate reporting, and a continuation of the topics covered in Accounting 235. Prerequisite: Accounting 235.

ACCOUNTING 335 Intermediate Financial Accounting (I) Three credit hours
An analysis of the requirements of the members of a firm's external environment for financial data of the organization. Prerequisite: Accounting 236.

ACCOUNTING 336 Intermediate Financial Accounting (II) Three credit hours
A continuation of the subject matter of AC 335, including examples involving public sector firms. Prerequisite: Accounting 335.

ACCOUNTING 337 Cost Accounting Three credit hours
The study of basic principles, practices, and procedures of cost accounting including coverage of job order costing, process cost accounting, managerial profit planning and analysis, and budgeting. Prerequisite: Accounting 236.

ACCOUNTING 433 Accounting Research and Analysis Three credit hours
A seminar approach to the examination of the following topics from the perspective of accounting: problem formulation, literature review, research and analytical design, data collection, and analysis of data. Culminates with the completion of an investigative paper in Acc 460. Prerequisite: Econ 233.

ACCOUNTING 435 Advanced Accounting Three credit hours
An in-depth study of corporate accounting. Includes an analysis and evaluation of the structure and use of financial statements and reports, including consolidated statements. Prerequisite: Accounting 336.

ACCOUNTING 436 GPA Review Three credit hours
Problems of accounting peculiar to examination leading to CPA Certificate. Prerequisite: Accounting 435.

ACCOUNTING 437 Federal Income Tax Analysis I Three credit hours
An analysis of Federal Income Taxation and its application to individual and organizations. Prerequisite: Accounting 336.

ACCOUNTING 438 Federal Income Tax Analysis II Three credit hours
A continuation of AC 437. Emphasis is given to the issues of estates, trusts, and inheritance taxes. Prerequisite: Accounting 437.

ACCOUNTING 439 Auditing Three credit hours
A study of the purposes and scope of audits and examinations, auditing standards, various types of audits, and the form of auditing reports. Prerequisite: Accounting 336.

ACCOUNTING 460 Senior Paper **Three credit hours**
Student will write an investigative paper based upon the research prospectus developed in the pre-requisite course. The paper will be done under the supervision of the faculty person. Prerequisite: Accounting 433.

ACCOUNTING 461 A-B Cooperative Education Experience I **Six credit hours**
Full-time cooperative education experience related to Accounting. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

ACCOUNTING 490 Internship **Three credit hours**
Internship related to Accounting. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

ACCOUNTING 491 A-B Cooperative Education Experience II **Three credit hours each**
Part-time cooperative education experience related to Accounting. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid on-the-job experience. Otherwise, similar to Accounting 461 A-B.

CURRICULUM FOR ACCOUNTING CONCENTRATION

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
Natural Science 131	3	Natural Science 132	3
Social Science 131	3	Social Science 132	3
Humanities 131	3	Humanities 132	3
Math 131	3	Math 137	3
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16		16

Sophomore Year

French/Spanish 131	3	Accounting 236	3
History 131	3	English 232	3
Economics 231	3	Physical Education	1
English 231	3	Economics 232	3
Physical Education	1	French/Spanish 132	3
Accounting 235	<u>3</u>	History 132	<u>3</u>
	16		16

Junior Year

Phil 131/Rel 130	3	Marketing 331	3
Economics 233	3	Economics 234	3
Bank/Finance 330	3	Accounting 336	3
Accounting 335	3	Speech 131	3
Management 333	3	Physical Education 121	2
Computer Science 131	<u>3</u>	Accounting 337	<u>3</u>
	18		17

Senior Year

Accounting 437	3	Accounting 439	3
Accounting 435	3	Accounting 460	3
Accounting 433	3	Elective	<u>8</u>
Management 335	<u>3</u>		14
	12		

BANKING AND FINANCE (BF)

A Bachelor of Science in Business Administration with a concentration in Business and Finance requires the completion of 125 hours. This includes 60 hours of general education requirements, 33 hours of the Business Administration core, 21 hours of Banking and Finance and Banking and Finance-specified courses (in addition to the core), and 9 hours of electives.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS AND CORE)

Banking and Finance 331	3 hrs.	Banking and Finance 432	3 hrs.
Banking and Finance 332	3 hrs.	Banking and Finance 334	3 hrs.
Banking and Finance 433	3 hrs.	Banking and Finance 460	3 hrs.
Banking and Finance 431	3 hrs.	Description of Courses in Major Area	

BANKING AND FINANCE 231 Personal and Family Finance Three credit hours
An analysis of financial decisions and judgments which the average family must make during a lifetime. Prerequisite: Math 131-137. (Same as Sociology 130)

BANKING AND FINANCE 330 Business Finance Three credit hours
An introduction to objectives, environment, tools, and decisions of financial management. Emphasis upon the firm's investment, financing and dividend decisions. Prerequisite: Accounting 235 and 236 and Economics 231-232. Required of all Business Administration majors.

BANKING AND FINANCE 331 Money and Banking Three credit hours
An examination of money, the U.S. financial system, central banking, monetary theory, stabilization policies, inflation, and international financial considerations. Prerequisite: Accounting 235-236, Economics 231-232.

BANKING AND FINANCE 332 Management of Commercial Banks Three credit hours
An analysis of the theory, issues, and practice of commercial banking from a financial management perspective. Includes the use of bank computer simulation. Prerequisite: Banking and Finance 330 and 331.

- BANKING AND FINANCE 333 Credit Analysis** **Three credit hours**
 The study of the different classes of credit, credit instruments, and the analysis of credit risk. The latter topic will include techniques for evaluating a business, an industry, management, financial statements, and cash flow. Prerequisite: Banking and Finance 330. Offered in alternate years.
- BANKING AND FINANCE 334 International Finance** **Three credit hours**
 An introduction to the special financial problems encountered by a business concern or commercial bank operating in the international environment. Emphasis is given to cross-border transactions and risks, international financial markets and institutions, and the financing of foreign trade and operations. Prerequisites: Banking and Finance 330 and 331. Offered in alternate years.
- BANKING AND FINANCE 430 Problems in Finance** **Three credit hours**
 A case study approach to the investigation of major financial management decisions and decision-making techniques. Utilization of computers in the financial analysis process. Prerequisite: Banking and Finance 330.
- BANKING AND FINANCE 431 Investments** **Three credit hours**
 An investigation of the investment environment and the concepts and practice of security analysis and portfolio management. Includes the use of computer simulation. Prerequisite: Banking and Finance 330.
- BANKING AND FINANCE 432 Financial Institutions and Markets** **Three credit hours**
 An introduction to money and capital markets, financial intermediation, and bank and non-bank financial institutions as they relate to the supply and demand of loanable funds. Prerequisite: Banking and Finance 330.
- BANKING AND FINANCE 433 Financial Research and Analysis** **Three credit hours**
 A seminar approach to the examination of the following topics from the perspective of finance: problem formulation, literature review, research and analytical design, data collection, and analysis of data. Culminates with the completion of an investigative paper BAF 460. Prerequisite: Economics 233.
- BANKING AND FINANCE 460 Senior Paper** **Three credit hours**
 Student will write an investigative paper based upon the research prospectus developed in the prerequisite course. The paper will be done under the supervision of the faculty person. Prerequisite: BAF 433.
- BANKING AND FINANCE 461 A-B Cooperative Education Experience I** **Six credit hours each**
 Full-time cooperative education experience related to Banking and Finance. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.
- BANKING AND FINANCE 490 Internship** **Three credit hours**
 Internship related to Banking and Finance. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic and the business world. Student must have a minimum overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

BANKING AND FINANCE 491 A-B Cooperative Education Experience II
Three credit hours each
Part-time cooperative education experience related to Banking and Finance. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Banking and Finance 461 A-B.

CURRICULUM FOR BANKING & FINANCE CONCENTRATION

Freshman Year			
Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
Natural Science 131	3	Natural Science 132	3
Social Science 131	3	Social Science 132	3
Humanities 131	3	Humanities 132	3
Math 131	3	Math 137	3
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16		16

Sophomore Year			
French/Spanish 131	3	Accounting 236	3
History 131	3	English 232	3
Economics 231	3	Physical Education	1
English 231	3	Economics 232	3
Physical Education	1	French/Spanish 132	3
Accounting 235	<u>3</u>	History 132	<u>3</u>
	16		16

Junior Year			
Phil 131/Rel 130	3	Marketing 331	3
Economics 233	3	Economics 234	3
Bank/Finance 330	3	Speech 131	3
BAF 331	3	BAF 334	3
Management 333	3	BAF 332	3
Computer Science 131	<u>3</u>	Physical Education 121	<u>2</u>
	18		17

Senior Year			
BAF 431	3	BAF 432	3
BAF 433	3	BAF 460	3
Management 335	3	Elective	<u>8</u>
Elective Control By Dept.	<u>3</u>		14
	12		

MANAGEMENT (MG)

A Bachelor of Science in Business Administration with a concentration in Management requires the completion of a minimum of 125 hours. This includes 60 hours of general education requirements, 33 hours of the Business Administration core, 15 hours of Management (in addition to the core), and the specified number of electives. The

concentration in Management also requires the completion of 9 to 16 hours in one of the following technical minors: Computer Science, Accounting, Natural Science or Banking and Finance, and Economics.

Computer Science Option (1)
9 hours including the 3 required in the core.

Natural Science Option (3)
9 hours including the 8 hours required in the general education program. Twelve of the 16 hours must be in the same science discipline.

Accounting Option (2)
9 hours including Accounting 335 and 337 in addition to the 6 required in the cored.

Banking and Finance Option (4)
9 hours to include Banking and Finance 331 and two other Banking and Finance courses in addition to the 3 hours required in the core.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATIONAL REQUIREMENTS, THE CORE, AND THE TECHNICAL MINOR OPTION)

Management 334	Management 433
Management 432	Management 436
Description of Courses in Major Area	Management 460

MANAGEMENT 331 Principles of Insurance Three credit hours
A study of the economic and social services, as well as the techniques and underlying principles of insurance. Prerequisite: Math 131-137.

MANAGEMENT 333 Principles of Management Three credit hours
A study of the principles and techniques underlying the successful organization and management of business activities. Discussion of planning, staff, directing, and controlling industrial enterprise. Prerequisite: Math 131-137.

MANAGEMENT 334 Personnel Management Three credit hours
A study of the basic principles of management, employment procedures, testing, training, remuneration plans, handling of grievances, promotion, and transfer of personnel records. Prerequisite: Management 333.

MANAGEMENT 335-336 Legal Environment of the Firm
(I and II) Six credit hours
A course dealing with the elements of business law. Prerequisite: English 191-192.

MANAGEMENT 339 Small Business Management Three credit hours
Stresses the importance of small business management, methods, sources, and procedures. Prerequisites: Math 131-137.

MANAGEMENT 432 Production Control Three credit hours
Development of ability to analyze and to solve production problems and to formulate production policies. Introduction to quantitative techniques in production management. Prerequisite: Management 333.

MANAGEMENT 433 Management Research and Analysis Three credit hours
A seminar approach to the examination of the following topics from the perspective of management; problem formulation, literature review, research and analytical design, data collection, and analysis of data. Culminates with the completion of an investigative paper in MGT 460. Prerequisite Econ 233.

MANAGEMENT 435 Business Policy **Three credit hours**

The administrative process under conditions of uncertainty. Emphasis in integrating knowledge acquired in the functional areas of business administration in formulating management policies. Prerequisite: Senior standing and a concentration in one of the Business Administration disciplines.

MANAGEMENT 436 Organizational Behavior and Design **Three credit hours**

An analysis of individual and group behavior and organizational structure from the perspective of goal-oriented managers. Prerequisite: Management 333.

MANAGEMENT 437 Special Topics in Management **Three credit hours**

Permits groups of students and professor to explore areas not extensively covered in other courses. Prerequisite: Senior standing and a concentration in one of the Business Administration disciplines. This course may be repeated for additional credit.

MANAGEMENT 438 International Business **Three credit hours**

This course will examine the unique problems faced by firms that engage in International operations. It is expected to provide students with a description and analysis of the mechanics of doing business abroad.

MANAGEMENT 460 Senior Paper **Three credit hours**

Student will write an investigative paper based upon the research prospectus developed in the prerequisite course. The paper will be done under the supervision of the faculty person. Prerequisite: Management 433.

MANAGEMENT 461 A-B Cooperative Education Experience I **Six credit hours**

Full-time cooperative education experience related to Management. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

MANAGEMENT 490 Internship **Three credit hours**

Internship related to Management. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

MANAGEMENT 491 A-B Cooperative Education Experience II

Three credit hours each

Part-time cooperative education experience related to Management. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Management 461 A-B.

CURRICULUM FOR MANAGEMENT CONCENTRATION

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
Natural Science 131	3	Natural Science 132	3
Social Science 131	3	Social Science 132	3
Humanities 131	3	Humanities 132	3
Math 131	3	Math 137	3
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16		16

Sophomore Year

French/Spanish 131	3	Accounting 236	3
History 131	3	English 232	3
Economics 231	3	Physical Education	1
English 231	3	Economics 232	3
Physical Education	1	French/Spanish 132	3
Accounting 235	<u>3</u>	History 132	<u>3</u>
	16		16

Junior Year

Phil 131/Religion 130	3	Management 334	3
Economics 233	3	Economics 234	3
Bank/Finance 330	3	Marketing 331	3
Management 333	3	Speech 131	3
Management 335	3	Physical Education 121	2
Computer Science 131	<u>3</u>	Technical Minor	<u>3</u>
	18		17

Senior Year

Management 432	3	Management 436	3
Management 433	3	Management 460	3
Technical Minor	<u>6</u>	Elective	<u>8</u>
	12		14

MARKETING (MKT)

A Bachelor of Science in Business Administration with a concentration in Marketing requires the completion of 125 hours. This includes 60 hours of general education requirements, 33 hours of the Business Administration core, 15 hours of marketing courses (in addition to the core), the specified number of electives, and 9 hours (including core courses) in one of the following technical minors: Computer Science, Accounting, or Banking and Finance and Economics (see technical minor options 1, 2, and 4 for Management majors).

**REQUIRED COURSES (IN ADDITION TO GENERAL
EDUCATION REQUIREMENTS, THE CORE, AND THE
TECHNICAL MINOR OPTION)
REQUIREMENTS, THE CORE, AND THE TECHNICAL MINOR
OPTION)**

Marketing 332
Marketing 334
Marketing 460

Marketing 335
Marketing 431
Description of Courses in Major Area

MARKETING 331 Principles of Marketing Three credit hours

A course designed to show the characteristics, history, and functions related to marketing. Emphasis on product definition, promotion, distribution, and pricing. Prerequisite: Math 131-132.

MARKETING 332 Advertising Three credit hours

A course intended to provide an understanding of advertising, its functions in our way of life, and its role in business. Prerequisite: Marketing 331.

MARKETING 334 Principles of Retailing Three credit hours

An introduction to the structure of retailing and problems associated with the management of retail stores of various types. Prerequisite: Marketing 331.

MARKETING 335 Fundamentals of Selling Three credit hours

A course designed to provide the student with a general survey of the various careers in selling and a thorough study of salesmanship and sales management. Prerequisite: Marketing 331.

MARKETING 431 Marketing Research and Analysis Three credit hours

A Seminar approach to the examination of various issues and topics from the perspective of marketing; problem formulation, literature review, research and analytical design, data collection, and analysis of data. Culminates with the completion of an investigative paper in MKT 460. Prerequisite: Econ 233.

MARKETING 432 Managerial Marketing Three credit hours

An analysis of the nature and work of the marketing manager, who organizes, directs, and controls the various functional specialties of marketing. Prerequisite: Marketing 334.

MARKETING 435 International Marketing Three credit hours

A course designed to introduce students to the cultural, institution, political, and economic variables influencing the international marketing environment, the concept of international trade, and a framework for the development and implementation of a multinational marketing strategy. Prerequisite: Marketing 331.

MARKETING 460 Senior Paper Three credit hours

Student will write an investigative paper based upon the research prospectus developed in the prerequisite course. The paper will be done under the supervision of the faculty person. Prerequisite: MKT 431.

MARKETING 461 A-B Cooperative Education Experience I Six credit hours each

Full-time cooperative education experience related to Marketing. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap

between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

MARKETING 490 Internship **Three credit hours**
Internship related to Marketing. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the business world. Students must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

MARKETING 491 A-B Cooperative Education Experience II **Three credit hours**
Part-time cooperative education experience related to Marketing. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Marketing 461 A-B.

CURRICULUM FOR MARKETING CONCENTRATION

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
Natural Science 131	3	Natural Science 132	3
Social Science 131	3	Social Science 132	3
Humanities 131	3	Humanities 132	3
Math 131	3	Math 137	3
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16		16

Sophomore Year

French/Spanish 131	3	Accounting 236	3
History 131	3	English 232	3
Economics 231	3	Physical Education	1
English 231	3	Economics 232	3
Physical Education	1	French/Spanish 132	3
Accounting 235	<u>3</u>	Marketing 331	<u>3</u>
	16		16

Junior Year

Phil 131/Religion 130	3	History 132	3
Economics 233	3	Economics 234	3
Bank/Finance 330	3	Speech 131	3
Marketing 332	3	Marketing 334	3
Management 333	3	Physical Education 121	2
Computer Science 131	<u>3</u>	Technical Minor	<u>3</u>
	18		17

Senior Year

Marketing 335	3	Marketing 460	3
Marketing 431	3	Technical Minor	3
Technical Minor	3	Elective	<u>8</u>
Management 335	<u>3</u>		14
	12		

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

HISTORY

A major in history prepares a student for a career in government, business, journalism, law, or for graduate study.

For a major in history the student is required to complete thirty-six (36) credit hours of course work in history. For a minor the student is required to complete eighteen (18) hours of course work in history. History 131, 132, 135, and 136 are required for all majors and minors. History 391 is required of all history majors and is recommended for minors. History 491 is required of all history majors. Introductory courses in economics, political science, and sociology must also be completed for the history major. Students may satisfy the language requirement by taking either six credit hours of French or six credit hours of Spanish. A minimum grade of C must be earned in courses that count toward the major.

HISTORY 131 World Civilization I **Three credit hours**

A study of the world's major civilizations from the Stone Age to 1500, the strengths and weaknesses of those societies, parallel developments, and cultural interaction.

HISTORY 132 World Civilization II **Three credit hours**

Primarily a study of the development of western European civilization since 1500 and its impact on the rest of the world.

HISTORY 135 History of the United States to 1865 **Three credit hours**

A study of the United States from its European background to 1865.

HISTORY 136 History of the United States Since 1865 **Three credit hours**

A study of the United States from the conclusion of the Civil War to the present.

HISTORY 231 North Carolina History **Three credit hours***

A study of the history of North Carolina from the colonial period to the present, with emphasis on economic, educational, and political developments.

*elective for history major; required for those desiring to be certified in elementary education.

HISTORY 237 Introduction to Africa **Three credit hours**

Social life, peoples, geography, economy, politics, religion, and arts of pre-modern Africa. Survey of African history and problems facing modern Africa. Offered in alternate years.

HISTORY 330 American Colonial Civilization **Three credit hours**

The study of an "underdeveloped area" and the economic, political, and religious life of the different colonies; the contributions of the various immigrants. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 331 Diplomatic History of the United States: 1776-1877

Three credit hours

A study of the foreign policy of the United States government. Emphasis upon wars, territorial expansion, and peculiarities of the American position in world politics. Prerequisite: History 135. Offered in alternate years. Recommended for political science majors and prelaw students.

- HISTORY 332 Diplomatic History of the United States: The Twentieth Century** **Three credit hours**
 Emphasis on the most important crises and the formulation of the basic policy decisions from the Spanish-American War to the present. Prerequisite: History 136. Offered in alternate years. Recommended for political science majors and prelaw students.
- HISTORY 334 The American Revolution and the Federal Period: 1776-1820** **Three credit hours**
 The United States during the formative years of the early republic from the War of Independence to the so-called "era of good feeling." Considerable attention devoted to the creative personalities of the period. Prerequisites: History 135 and 136. Offered in alternate years.
- HISTORY 335 Sectionalism and Conflict: 1820-1865** **Three credit hours**
 The American experience from the Missouri Compromise through the Civil War; Jacksonian democracy, territorial expansion, black slavery, and the rise of Southern nationalism. Prerequisites: History 135 and 136. Offered in alternate years.
- HISTORY 336 Emergence of Modern America: 1865-1900** **Three credit hours**
 A study of the revolutionary changes in American life from the end of the Civil War to the close of the nineteenth century, the failure of Reconstruction, the origins of racial segregation, America's emergence as an industrial giant. Prerequisites: History 135 and 136. Offered in alternate years.
- HISTORY 337 West Africa** **Three credit hours**
 An examination of selected topics in West African history, including the Sudanic empires, the slave trade, the development of coastal states, European conquest and types of colonial rule, the struggle for independence, and challenges of development. Offered in alternate years.
- HISTORY 338 Black History in the United States** **Three credit hours**
 A study of the contributions of blacks to American history and civilization, their efforts at racial adjustment, and their struggle for social justice. Prerequisites: History 135 and 136.
- HISTORY 339 Early Modern Europe: 1350-1789** **Three credit hours**
 A study of radical social change in Europe from the late Middle Ages to the eve of the French Revolution. Renaissance and Reformation; political absolutism and the Enlightenment. Prerequisites: History 131 and 132. Offered in alternate years.
- HISTORY 391 Historiography** **Three credit hours**
 An introduction to the methods of historical research, the more prominent philosophies of history, and an investigation of the work of outstanding historians. History majors will develop senior paper proposals. A writing intensive course. Required of all history majors and social studies education majors. Should be taken Spring Semester of junior year.
- HISTORY 430 Revolution and Romanticism: 1789-1914** **Three credit hours**
 A study of Europe from the French Revolution to the outbreak of World War I. The rise of romantic nationalism, liberal democracy, industrialism, and imperialism. Prerequisites: History 131 and 132. Offered in alternate years.

HISTORY 431 Twentieth Century Europe **Three credit hours**
A study of World War I and its consequences; economic, social, and cultural change between the wars; the rise of totalitarian dictatorships and World War II; post-war reconstruction, the Cold War, and the current situation in Europe. Prerequisite: History 132. Offered in alternate years.

HISTORY 432 Southern Africa **Three credit hours**
An examination of selected topics in Central and Southern Africa, including migrations, pre-European culture, European expansion, concessionaire company and settler domination, racism, African liberation movements, and the status of present conflicts. Offered in alternate years.

HISTORY 433 The Old South **Three credit hours**
Political, economic, social, and cultural forces in the evolution of the period 1820-1860. Prerequisite: History 135. Offered in alternate years.

HISTORY 434 The New South **Three credit hours**
Southern history from the end of Reconstruction to the present. A consideration of contemporary regional problems. A study of the South both in relationship and contrast to national development. Prerequisite: History 136. Offered in alternate years. Recommended for students concentrating in urban studies.

HISTORY 435 From the Pharaohs to National Revolutions **Three credit hours**
An examination of selected topics in the history of North, North-East, and East Africa, including the beginnings of the human race, ancient civilizations of Egypt and Kush, trading civilizations of the Mediterranean and the Indian Ocean, Christian and Islamic influences, migrations, Ethiopian feudalism, European colonialism, and modern national revolutionary movements. Offered in alternate years.

HISTORY 436-437 Topics in History **Three credit hours each**
Various special topics which permit advanced work in different fields of historical study.

HISTORY 491 Senior Paper **Three credit hours**
Production of senior paper. Research, writing, and oral defense of the paper. A writing intensive course. Required of all history and social studies education majors. Should be taken Fall Semester of senior year. Prerequisite: History 391.

CURRICULUM FOR HISTORY MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
Natural Science 131	3	Natural Science 132	3
Social Science 131	3	Social Science 132	3
Humanities 131	3	Humanities 132	3
French or Spanish	3	French or Spanish	3
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16		16

Sophomore Year

History 131	3	History 132	3
History 135	3	History 136	3
Math 131	3	Math 132	3
English 231	3	Humanities Elective	3
Speech 131	3	Sociology 131	3
Physical Education	<u>1</u>	Physical Education	<u>1</u>
	16		16

Junior Year

History Electives	6	History 391	3
Political Science 131	3	History Electives	6
Humanities Elective	3	Economics 231	3
Health Education	<u>2</u>	General Elective	<u>3</u>
	17		15

Senior Year

History 491	3	General Electives	12
History Electives	3	History Electives	<u>3</u>
General Electives	<u>6</u>		15
	15		

POLITICAL SCIENCE

The curriculum in political science is designed to prepare students for civic participation, graduate or professional study, private or public employment, and teaching. For a major in political science, the student is required to complete thirty-six (36) credit hours of course work in political science. For a minor the student is required to complete eighteen (18) credit hours of course work in political science. Political Science 131 and 230 are required of all majors and minors and are prerequisite to electing other courses in the political science curriculum; these prerequisites may be waived with the consent of the instructor. Political science majors are also required to take the following Political Science courses: 333, 334, 335, 398, 399, 499, and either 330 or 432. These courses are recommended for minors. A minimum grade of C must be earned in courses that count toward the major.

Introductory courses in economics, history, sociology, and a statistics course (either Math 136 or Social Science 233) are also required for all political science majors.

An introductory course in computer science, although not required, is highly recommended for students planning to do graduate work in political science. Students may satisfy the language requirement by taking six credit hours of French or six credit hours of Spanish.

POL. SCI. 131 American Government**Three credit hours**

A study of the development, structure, and operation of the American political system.

- POL. SCI. 230 Introduction to Political Analysis** **Three credit hours**
An introductory study and application of the concepts and methods necessary for an analysis of the political system.
- POL. SCI. 231 State and Local Politics** **Three credit hours**
A study of politics and administration at the sub-national level. Emphasis on the social, economic, and legal setting of state and local governments in the American federal system. Topics include intergovernmental relations, fiscal problems, and services delivery.
- POL. SCI. 330 Public Administration** **Three credit hours**
A study of the formulation of public policy, organization and management, and problems of personnel and finance. Offered in alternate years.
- POL. SCI. 331 Law and Politics** **Three credit hours**
This course is an introduction to the American legal system, focusing on its political context and significance. It sketches the structure and functioning of the federal court system, and then explores the courts' impact both on individuals who seek to vindicate their rights through litigation, and on those who become involved with the criminal justice system. Special attention is devoted to the history and role of the legal profession in America.
- POL. SCI. 332 Third World Politics** **Three credit hours**
A study of the politics and problems of selected countries in Africa, Asia, and Latin America. Topics include social and economic development strategies of poor countries; South-South cooperation; North-South relations.
- POL. SCI. 333 Comparative Political Systems** **Three credit hours**
A comparative analysis of various political systems in the developed and developing countries. Emphasis on the parliamentary system (as modified) and the American Presidential system. Offered in alternate years.
- POL. SCI. 334 International Relations** **Three credit hours**
An analysis of the international political system, including the distribution of power among states in the international system, the manner in which states try to increase their capabilities, and the various mechanisms for conflict adjustment.
- POL. SCI. 335 Political Theory** **Three credit hours**
A study of classical and modern political thought exploring the great questions of justice, freedom, and equality, and alternative forms of government.
- POL. SCI. 339 Black Political Thought** **Three credit hours**
A study of the development of black political thought in the U.S. The course is designed to critically examine and evaluate various themes, perspectives, and approaches in black political thinking and behavior as they emerged in the writings and activities of leading black figures and movements from the 19th century to present.
- POL. SCI. 398 Materials and Methods** **Three credit hours**
The study and application of basic research materials and methods in political science. Emphasis on understanding advantages and disadvantages of various research methods, and building facility in reading and evaluating different types of studies. A writing and speaking intensive course, preparatory for senior paper project. Required for all majors. Should be taken Fall Semester of junior year. Prerequisite: Statistics (Math 136 or Social Science 233).

- POL. SCI. 399 Senior Paper Design** **Three credit hours**
Preparation for the senior paper project. Emphasis on formulation of the problem, review of literature, and preparation of research design. Beginnings of data collection where appropriate. Independent study format. Should be taken in Spring Semester of Junior Year. Prerequisite: Political Science 398.
- POL. SCI. 432 Seminar in American Politics** **Three credit hours**
In-depth study of selected institutions and processes of American politics, such as Congress, the presidency, political parties and the electoral process.
- POL. SCI. 433 International Organization** **Three credit hours**
A study of the nature and role of international law and the operations of the United Nations and various regional and functional organizations. Prerequisite: Political Science 334.
- POL. SCI. 434 Constitutional Law I** **Three credit hours**
This course surveys the historical development of American constitutionalism from its beginnings until 1900. Emphasized are the framing of the Constitution and different approaches to its meaning; the origins and rationale of judicial review; evolving doctrines of judicial self-limitation; and early cases on race relations. Prerequisite: Junior standing or instructor's consent.
- POL. SCI. 435 Constitutional Law II** **Three credit hours**
This course surveys modern Supreme Court cases in four subject areas: racial discrimination; gender discrimination; freedom of speech; and presidential powers. Selected students will participate in a moot court exercise. Prerequisite: Constitutional Law I or instructor's consent.
- POL. SCI. 436 Bureaucracy** **Three credit hours**
A critical examination of the problems, structures and practices in large modern organizations with particular emphasis on the American bureaucracy using empirical case studies of both public and private organizations. Offered in alternate years.
- POL. SCI. 437 Foreign Policy** **Three credit hours**
A study of the foreign policy behavior of nation states, with a critical investigation into the formulation and implementation of foreign policy. Special emphasis on American foreign policy. Prerequisite: Pol. Sci. 334.
- POL. SCI. 439 Internship** **Three credit hours**
A supervised internship in a professional work environment designed to give students practical experience as well as knowledge and skills in a relevant professional field. Students are expected to complete a paper on their work activities and experience as one of the requirements for credit. Enrollment by permission of the instructor.
- POL. SCI. 491 Special Topics in Political Science** **Three credit hours**
Advanced reading, papers, and discussions on selected topics in political science. Topics are determined by the instructor. Enrollment by permission of the instructor (may be repeated for credit).
- POL. SCI. 499 Senior Paper** **Three credit hours**
Production of senior paper. Data collection, analysis and interpretation; revision and defense of the paper. Independent study format. Should be taken in Fall Semester of senior year. Prerequisite: Political Science 399.

CURRICULUM FOR POLITICAL SCIENCE MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
Natural Science 131	3	Natural Science 132	3
Social Science 131	3	Social Science 132	3
Humanities 131	3	Humanities 132	3
Math 131	3	Math 132	3
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16		16

Sophomore Year

French or Spanish	3	French or Spanish	3
Political Science 131	3	Sociology 131	3
Political Science 333	3	English 231 or 232	3
Humanities Elective	3	Political Science 230	3
Health Education	2	Political Science 334	3
Math 136 or Social Science 233	<u>3</u>	Physical Education (Activity)	<u>1</u>
	17		16

Junior Year

Political Science 335	3	Political Science 399	3
Political Science 398	3	Political Science 330 or 432	3
Political Science Elective	3	History 132	3
History 131	3	Humanities Elective	3
Speech 131	3	Economics 231	<u>3</u>
Physical Education (Activity)	<u>1</u>		15
	16		

Senior Year

Political Science 499	3	Political Science Elective	3
Political Science Elective	3	General Electives	<u>12</u>
General Electives	<u>9</u>		15
	15		

PRE-LAW

No particular course of study (major) is a prerequisite for admission to law school. All lawyers need to be effective users of the English language. But what the pre-law student needs is a solid foundation in English and speech; he need not major in either of these disciplines unless he wishes to do so. Laws schools are seeking young men and women with analytical minds who can think clearly and logically and then express themselves both orally and in writing.

While a majority of students going into law usually major in one of the social sciences (economics, history, political science, or sociology), other majors, such as English, psychology, or philosophy, provide a good background for legal study. Students majoring in one of

the natural sciences could use law as one of their options for professional preparation.

The Association of American Law Schools advises the pre-law student to "major in the field in which he is most interested and do as well as he can in all his subject."

Regardless of the major, the pre-law student should take the following courses: English 391, Philosophy 233, Accounting 235, Computer Science 131-132, Political Science 434-435, and Speech 232 or 330. Other recommended courses are: History 135-136, History 237, History 339, Political Science 331, Sociology 232, and Sociology 330.

DEPARTMENT OF SOCIOLOGY AND SOCIAL
WORK

The program of instruction in the Department of Sociology and Social Work is designed to enrich the general “liberal” education of students and to provide preprofessional and pregraduate training for those students who wish to seek careers in social work professionally, to qualify for service-delivering positions requiring no graduate professional education, to enter related professional fields for which there is no required professional sequence, and to enhance and to make more meaningful their participation as citizens.

A major in Sociology consists of thirty credit hours of course work, including Sociology 131, Sociology 432 or 433, Sociology 434 or 435, and Sociology 490. A statistics course is also required but does not count toward the thirty hours in Sociology. A grade of "C" or better is required in each Sociology course submitted for fulfillment of the major. A minor in Sociology consists of eighteen credit hours of course work, including Sociology 131. Students may also elect to minor in Criminal Justice by completing eighteen credit hours in that area. Sociology 131 is a prerequisite for enrollment in all other courses comprising the Sociology curriculum.

SOCIOLOGY

SOCIOLOGY 190 Courtship and Marriage Three credit hours - elective

A sociological study of courtship and marriage in the United States. Designed to introduce freshmen students to critical thinking and empirical knowledge relative to affectional involvement. This course may not be used to fulfill departmental nor general education requirements.

SOCIOLOGY 130 Personal and Family Finance Three credit hours

An analysis of financial decisions and judgments which the average family must make during a lifetime. (Same as Management 231.)

SOCIOLOGY 131 Principles of Sociology **Three credit hours**

An introduction to the viewpoints, basic concepts, and methods of sociology.

SOCIOLOGY 133 Introduction to Cultural Anthropology Three credit hours

A survey of the various processes and conditions involved in cultural growth and change.

SOCIOLOGY 230 Intergroup Relations **Three credit hours**
 An analysis of viewpoints, processes, and basic factors underlying problems of adjustment between divergent racial or cultural groups.

SOCIOLOGY 231 Medical Sociology **Three credit hours - elective**
 This course will provide a sociological analysis of (1) the social processes affecting conditions of health and disease and (2) the cluster of social relationships and organizations that comprise the institution of medicine.

SOCIOLOGY 232 Introduction to Criminal Justice As an elective **Three credit hours**
 This course is designed to introduce the student to the criminal justice system in America. It will provide a comprehensive survey of current theories and practices in the criminal justice process. Included in the course will be a study of the principal functions and roles of four major components—legislative bodies, law enforcement agencies, courts and correctional institutions. It will highlight contemporary issues in each phase of the process.

SOCIOLOGY 233 Statistics for the Social and Behavioral Sciences **Three Credit hours**
 The application of descriptive and inferential statistics to data in the social and behavioral sciences. Emphasis on data classification, data reduction, the normal distribution, z scores, probability, hypothesis testing, z test, t test, statistical power. Prerequisite: Mathematics 136 or its equivalent. (Colisted as Psychology 233, Social Science 233.) Previous title Sociological Statistics. FALL SEMESTER

SOCIOLOGY 234 Introduction to Gerontology **Three credit hours - elective**
 The survey of biological, psychological and sociological perspectives and research relevant to the study of human aging.

***SOCIOLOGY 235 Correctional System I** **Three credit hours - elective**
 Introductory in nature, focuses on the basic elements, historical development and trends within the prison system.

***SOCIOLOGY 236 Correctional System II** **Three credit hours - elective**
 Analysis of contemporary prison system including changes in the field of corrections, community based rehabilitation programs and alternatives to incarceration.

***SOCIOLOGY 237 Juvenile Delinquency** **Three credit hours**
 An analysis of the antisocial behavior of youth. Emphasis on causes, consequences, and efforts at prevention.

***SOCIOLOGY 238 Social Problems** **Three credit hours**
 A sociological treatment of contemporary social problems. Offered alternate years. FALL SEMESTER.

***SOCIOLOGY 330 Sociology of Law** **Three credit hours**
 The purpose of this course will be to analyze the role of law as an agency of social control, and its relationship to other social institutions. Special emphasis will be placed on the social junctions of courts, judges, and the legal profession. Law will be viewed as a reflection of sociocultural values.

SOCIOLOGY 331 The Family **Three credit hours**
 An examination of the structures and functioning of the family as a social institution.

SOCIOLOGY 332 Urban Sociology **Three credit hours**
 A study of the growth, the ecology, the social processes, the organization, and the problems of the urban community.

SOCIOLOGY 333 Social Stratification **Three credit hours - elective**
 An examination of the ways in which societies differ in terms of their systems of internal differentiation.

(*Denotes Criminal Justice Sequence)

SOCIOLOGY 335 The Sociology of Religion **Three credit hours**
 A functional analysis of the interrelationships involving society, culture, and religion. The role of the church in the social order and social change. (Same as Religion 335.) **SPRING SEMESTER.**

(Formerly Collective Behavior)

SOCIOLOGY 337 Sociology of the Black Community **Three credit hours**
 An analysis of the structure and the functioning of the black community as a social system. Offered in alternate years. **SPRING SEMESTER.**

***SOCIOLOGY 338 Deviant Behavior** **Three credit hours**
 Emphasis on individual behavior patterns in society. Examination of the social and psychological principles underlying sociopathic behavior.

***SOCIOLOGY 339 Criminology** **Three credit hours**
 An examination of crime as a social phenomenon and the methods of prevention and control. Offered in alternate years.

SOCIOLOGY 431 Social Psychology **Three credit hours**
 Problems, concepts, and methods in the study of social interaction and interpersonal influence. (Same as Psychology 431.)

SOCIOLOGY 432 Social Research I **Three credit hours**
 An introduction to the techniques, and methods of scientific inquiry (part I). Prerequisite: nine credit hours of sociology or consent of instructor.

SOCIOLOGY 433 Social Research II **Three credit hours**
 An intensive study of research procedures, with special emphasis on data processing, measurement, and quantitative analysis. Prerequisite: Sociology 432

SOCIOLOGY 434 The Developments of Social Theory **Three credit hours**
 An analysis of the emergence and development of sociological theory. Prerequisite: nine credit hours of sociology or consent of instructor.

SOCIOLOGY 435 Modern Theory and Theory Construction **Three credit hours**
 An analysis of contemporary theoretical perspectives. An introduction to theory construction.

SOCIOLOGY 436 Independent Study **Three credit hours**
 An arranged program of independent study and research.

SOCIOLOGY 490 Sociology Seminar **Three credit hours**
 Designed to help students achieve a synthesis of social science knowledge. Students will write an investigative paper on a topic of their own choosing (Senior Year).

(*Denotes Criminal Justice Sequence)

CURRICULUM FOR SOCIOLOGY MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
Natural Science 131	3	Natural Science 132	3
Social Science 131	3	Social Science 132	3
Humanities 131	3	Humanities 132	3
Math 131	3	Math 132	3
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16		16

Sophomore Year

French or Spanish	3	French or Spanish	3
Sociology 131	3	Sociology Electives	3
English 231 or 232	3	Humanities Elective	3
Humanities Elective	3	Statistics	3
Speech 131	3	Economics 231	3
Health 121	<u>2</u>	Physical Education (Activity)	<u>1</u>
	17		16

Junior Year

History 131	3	History 132	3
Sociology 434 or 435	3	Sociology 432 or 433	3
Sociology Elective	3	Sociology Elective	3
Political Science 131	3	General Electives	<u>6</u>
General Elective	3		15
Physical Education (Activity)	<u>1</u>		
	16		

Senior Year

Sociology 490	3	Sociology Elective	3
Sociology Electives	6	General Elective	<u>12</u>
General Electives	<u>6</u>		15
	15		

SOCIAL WORK

All students electing to major or minor in social work must take Sociology 131 before enrolling in the required entry level course—Social Work 239.

A major in social work consists of thirty-three credit hours in social work courses. Required are Social Work 239, 330, 334, 335, 432, 433, 434, 435, 438, and 460. Also required are Mathematics 136 (Statistics) or an equivalent, and Sociology 432. Upon the completion of all departmental and university requirements, the student receives the Bachelor of Social Work (BSW) degree. A minimum of "C" must be earned in all courses that count toward the major in Social Work.

A minimum grade of C must be earned in courses that count toward the major.

SOCIAL WORK 239 Introduction to the Field of Social Work Three credit hours
A survey course which includes a history of social work and a comparison of all the methods in social work.

SOCIAL WORK 330 Social Policy Three credit hours
A study of the history, current issues and programmatic choices and changes that effect social welfare services. FALL SEMESTER

SOCIAL WORK 331 Child Welfare: Policies and Practices Three credit hours
A course designed to offer social work students comprehensive up-to-date information on child and family welfare. FALL SEMESTER.

SOCIAL WORK 333 Social Workers in Clinical Settings Three credit hours - elective
A practical course, designed to introduce and develop in upper level class students an awareness and overview of the various social and psychotherapeutic services available to protect the general public.

SOCIAL WORK 334 Human Growth and Development in the Social Environment I Three credit hours
A course which examines human behavior in the social environment from a normal perspective. Special emphasis on man's bio-psycho-social needs and the behavioral consequences when these needs are not met. FALL SEMESTER. (Formerly Social Work 334A)

SOCIAL WORK 335 Human Growth and Development in the Social Environment II Three credit hours
This course continues the study of behavior in the life cycle at the point where the first component ended during the Fall Semester. It concludes with specific focus on the bio-psycho-social needs of the aged members of our population. SPRING SEMESTER (Prerequisite: Social Work 334) (Formerly Social Work 334B)

SOCIAL WORK 432 Social Welfare as a Social Institution Three credit hours
An assessment of the philosophy, development, behavior, current trends, and dynamics of social welfare as a cognate institution in the social system. FALL SEMESTER.

SOCIAL WORK 433 Seminar in Social Work Three credit hours
A course requiring students to interpret data from field experiences in light of previously established concepts of social work methods and practices. SPRING SEMESTER. (Must be taken concurrently with Social Work 460.)

SOCIAL WORK 434 Social Work Methodologies Three Credit hours
This course involves students in the study of principles (ethics and values), relationships (professionalism), specifics in each of the direct and indirect social work methods, practice theories and interviewing skills. FALL SEMESTER (Prerequisites: Social Work 334 and 335) (Formerly Social Work 434A)

SOCIAL WORK 435 Social Work Methodologies II Three credit hours
This course is a continuation of Social Work 434 with emphasis on an in-depth study of case materials (analysis and goal formulation), case recordings (summary, process, etc.), and social history recordings (gathering data). SPRING SEMESTER (Prerequisite: Social Work 434) (Formerly Social Work 434-B)

- SOCIAL WORK 436

Independent Study

Three credit hours

An independent program of study and/or practical experience. By arrangement with the instructor.
- SOCIAL WORK 438

Senior Investigative Paper

Three credit hours

This course provides second semester seniors with an environment for discussing, exchanging ideas, and “fine tuning” their senior investigative papers. The class will also be the setting for each student’s oral presentation of the finished product.
- SOCIAL WORK 460

Field Experience

Six credit hours

A course designed to assist students in acquiring first-hand knowledge of social work practices in community agencies through active work experiences in pre-selected agency settings. SPRING SEMESTER (Prerequisites: Social Work 239, 334, 335, 432, 434. Must have had or be enrolled in 435. In addition, 433 is required to be taken concurrently with this course).

CURRICULUM FOR SOCIAL WORK MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
Natural Science 131	3	Natural Science 132	3
Social Science 131	3	Social Science 132	3
Humanities 131	3	Humanities 132	3
Math 131	3	Math 132	3
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16		16

Sophomore Year

French or Spanish	3	French or Spanish	3
Sociology 131	3	Social Work 239	3
English 231 or 232	3	Humanities Elective	3
Humanities Elective	3	Statistics	3
Speech 131	3	Political Science 131	3
Health 121	<u>2</u>	Physical Education (Activity)	<u>1</u>
	17		16

Junior Year

History 131	3	History 132	3
Social Work 330	3	Social Work 335	3
Social Work 334	3	General Elective	<u>9</u>
Economics 231	3		15
General Elective	3		
Physical Education (Activity)	<u>1</u>		
	16		

Senior Year

Social Work 434	3	Social Work 433	3
Social Work 436	3	Social Work 435	3
General Electives	<u>9</u>	Social Work 438	3
	15	Social Work 460	<u>6</u>
			15

**Highly recommended elective.*
***Required for Social Work Majors.*

DIVISION III: EDUCATION AND PSYCHOLOGY

The Division of Education and Psychology includes the following departments: Education, Health and Physical Education, and Psychology. Majors are offered in each department and minors in the departments of Health and Physical Education and Psychology.

DEPARTMENT OF EDUCATION

The Department of Education offers a major in elementary education leading to the Bachelor of Arts degree and teacher certification. The Bachelor of Arts degree with teacher certification at the secondary level may be earned in mathematics, music, physical education, health, social studies, and English. The department also provides courses in early childhood education.

While teacher education at Johnson C. Smith University is viewed as an all-university wide function, the Department of Education assumes major responsibility for coordinating all programs. The Teacher Education Committee, composed of representatives from the various academic disciplines and the Vice President for Academic Affairs, formulates specific as well as broad policies that pertain to the best interests of the Teacher Education Program in the University and to recommend such to the Educational Policies Committee. All Teacher Education Programs have appropriate approval of the North Carolina State Department of Public Instruction.

A minimum grade of C must be earned in each course that counts toward the major.

REQUIREMENTS FOR ADMISSION TO THE PROGRAM OF TEACHER EDUCATION

A formal application to enter the program of teacher education must be filed with the head of the Department of Education at the beginning of the second semester of the sophomore year. Transfer students entering the University with junior classification must make application during the first semester in residence. Application forms may be secured from the Education Office.

To be admitted to teacher education, the student must meet the following requirements:

1. Completed sixty (60) semester hours with a cumulative grade point average of at least 2.50
2. Earned at least a grade of "C" in each General Education Course in the areas of *English, Mathematics, Science, and History (social studies)*
3. Earned a satisfactory score on the NTE tests: Communication Skills and General Knowledge
4. Declared a major and be recommended by the department of the major

5. Completed an interview at the satisfactory level
6. Received a health statement indicating good physical and mental health
7. Recommended by three former professors, one of whom must be in the department of the applicant's major field
8. Approved by the Teacher Education Committee

Students who plan to teach in the elementary school, grades K-6, should major in elementary education. Teacher certification at the secondary school level is available in the following subject areas: mathematics, music, health education, physical education, and social studies. Students who plan to teach in the secondary school should select majors and minors from the above areas. It is highly recommended that students prepare to teach two subjects.

Admission to Teacher Education

Policies for Certification Only Students

Students who have a degree from an accredited college or university and wish to pursue a teaching career are encouraged to make formal application to the Teacher Education program. Requirements for admission to Teacher Education are as follows:

- a. Bachelor's degree from an accredited university with a cumulative grade point average of at least 2.5. If the student does not have a 2.5 GPA at the time of application, then they must attain a 2.5 by the end of 12 hours of study at JCSU.
- b. Demonstration of proficiency in oral and written communication.
- c. Recommendation of three former professors or employers.
- d. Possession of a health certificate indicating good mental and physical health.
- e. Declaration of a teaching specialty and acceptance in the department of the teaching specialty.
- f. Approval of the Teacher Education Committee.
- g. Approval of the department of the teaching specialty.
- h. Completion of a personal interview and recommendation by the teacher education screening committee.
- i. Achievement of NCDPI cut off scores on NTE Tests: Communication Skills (CS) and General Knowledge (GK).

PROFESSIONAL EDUCATION

The Education Department offers the professional education component that is required of all prospective teachers. The courses are offered in the Education Department and Psychology Department.

Students are only allowed to take a maximum of fifty percent of the professional courses before they are formally admitted to teacher education.

REQUIRED COURSES IN PROFESSIONAL EDUCATION

Teacher certification at all levels requires the following education courses:

EDUCATION 220	Early Experiences in Teacher Education
+PSYCHOLOGY 235	Psychology in Childhood or PSYCHOLOGY 237 Psychology of Adolescence
PSYCHOLOGY 239	Educational Psychology
*EDUCATION 296	Psychology of the Exceptional
*EDUCATION 330	Foundations of Education
+*EDUCATION 394	The Elementary School Curriculum or EDUCATION 395 The Secondary School Curriculum
+*EDUCATION 311	Junior Practicum in Elementary Education or Education 312 Junior Practicum in Secondary Education
+*EDUCATION 491	Student Teaching in Elementary Education or Education 492 Student Teaching in the Secondary School

⁺Elementary Education majors must take the course designated as Elementary Education and Secondary Education majors must take course designated as Secondary Education.

^{*}Students must be formally admitted to Teacher Education to enroll in these courses.

Goals and Objectives of the Elementary Education Specialty

The goal of the elementary education program is to prepare prospective elementary teachers to successfully assume their multifaceted roles as elementary educators within schools in our ever-changing society. To this end, the program provides the theory, knowledge, and practice needed to help teachers make decisions in each role.

The objectives of the elementary major are to provide prospective teachers with:

1. an understanding of their multifaceted roles as elementary educators;
2. a knowledge and understanding of the history, philosophy, and theory that undergirds modern elementary education;
3. a knowledge and understanding of human growth and development and its application to developmentally appropriate practices in the elementary schools;
4. opportunities to acquire/develop knowledge and skills in planning and implementing developmentally appropriate practices with elementary school children;

- 5. a knowledge and understanding of all content areas of the elementary school curriculum;
- 6. opportunities for practical experiences throughout the program;
- 7. opportunities to acquire/develop critical reading, writing, speaking, thinking and research skills throughout the program;
- 8. an awareness of the need for continual personal and professional growth and development.

CURRICULUM FOR ELEMENTARY EDUCATION (K-6)

(Effective Fall, 1990)

	TOTAL Credit Hours
General Education	60
Professional Education	30
EDUCATION 220 Early Experiences in Teacher Education	
PSYCHOLOGY 235 Psychology of Childhood	
PSYCHOLOGY 239 Educational Psychology	
EDUCATION 296 Psychology of the Exceptional	
EDUCATION 330 Foundations of Education	
EDUCATION 394 The Elementary School Curriculum	
EDUCATION 311 Junior Practicum in Elementary Education	
EDUCATION 491 Student Teaching in Elementary Education	
Elementary Education Specialty	35
EDUCATION 232 Foundations of Childhood Education	
EDUCATION 234 Creative Arts in the Elementary School	
EDUCATION 322 Teaching Social Studies in the Elementary School	
EDUCATION 332 Children's Literature	
EDUCATION 333 Teaching Science in the Elementary School	
EDUCATION 337 Teaching Communication in the Elementary School I	
EDUCATION 338 Teaching Communication in the Elementary School II	
EDUCATION 421 Research in the Elementary School	
MATHEMATICS 337 Mathematics for Elementary School Teachers	
MUSIC 339 The Teaching of Music in the Elementary School	
HEALTH EDUCATION 323 Health Education in the Elementary School	
PHYSICAL EDUCATION 321 Physical Education in the Elementary School	
HISTORY 231 North Carolina History	

Concentrated Study **9**

Elementary Education Majors are required to have concentrated study in one or more of the instructional areas of the elementary school curriculum. Students may select an area of study from one of the following: 1. Language and Literature, 2. Mathematics, 3. Science or 4. Social Studies. The concentrated area of study must include a minimum of fifteen (15) credit hours. Six credit hours from the required general studies can be used to satisfy the fifteen hour requirement.

Students must select a minimum of nine hours from one of the following areas:
Language and Literature 9 hours
Mathematics 9 hours
Science 12 hours
Social Studies 9 hours

TOTAL HOURS 134

SEQUENCE OF COURSES IN ELEMENTARY EDUCATION (K-6)

(Effective Fall, 1990)

Freshman Year

First Semester	Credit Hours	Second Semester	Credit Hours
Rhetoric 191	3	Rhetoric 192	3
Humanities 131	3	Humanities 132	3
Social Science 131	3	Social Science 132	3
Natural Science 131	3	Natural Science 132	3
Physical Education (Activity)	1	Math 131, 137 or 241	3
Orientation 111	1	Physical Education 115	1
Health Education 121	<u>2</u>	Orientation 112	<u>1</u>
	16		17

Sophomore Year

Math 132, 138 or 242	3	English 231 or 232	3
*Humanities (Select 3 hrs)	3	History 132	3
History 131	3	Education 234	3
Education 220	2	Education 232	3
Speech 131	3	Psychology 239	3
Spanish or French 131	<u>3</u>	Spanish or French 132	<u>3</u>
	17		18

Apply for admission to Teacher Education the second semester of the sophomore year.

Junior Year

*Humanities (Select 3 hrs)	3	Music 339	3
Education 330	3	Education 338	3
Education 337	3	Education 332	3
Psychology 235	3	Education 296	2
Education 394	3	Physical Education 321	3
Education 311	1	History 231	<u>3</u>
Math 337	<u>3</u>		17

** 19

Apply for admission to student teaching during the seventh semester.

Senior Year

Health Education 323	2	Education 491	<u>12</u>
Education 322	2		12
Education 333	3		
Concentration	3		
Concentration	3		
Concentration	3		
Education 421	<u>2</u>		
	18		

A grade of "C" or better is required in each course submitted for fulfillment of the Elementary Education Major and Concentration except general education courses in Foreign Language, Religion, Philosophy, and Physical Education. The student must have an overall GPA of 2.5 or above.

*Elementary Education majors are encouraged to select Music 131 and Art 231.

*Note: The overload can be taken in summer school.

SEQUENCE OF REQUIRED PROFESSIONAL EDUCATION AND SUPPORTIVE COURSES FOR SECONDARY MAJORS

Freshman Year

First Semester	Credit Hours	Second Semester	Credit Hours
General Education and Electives	<u>15</u>	General Education and Electives	<u>17</u>
	15		17

Sophomore Year

General Education, Major, and Electives	12	General Education, Major, and Electives	15
Education 220	2	Psychology 239	<u>3</u>
Psychology 237	<u>3</u>		18
	17		

Apply for admission to Teacher Education the second semester of the sophomore year.

Junior Year

Major and Electives	11	Major and Electives	15
Education 395	3	Psychology 296	<u>3</u>
Education 312	1		18
Education 330	<u>3</u>		
	18		

Apply for admission to Student Teaching during the sixth or seventh semester.

Senior Year

Major and Electives	12	Education 492	<u>12</u>
Methods in the area of Specialization	<u>2-3</u>		12
	17-18		

EDUCATION COURSES AND DESCRIPTIONS

- EDUCATION 220 Early Experiences in Teacher Education** **Two credit hours**
 This course is an orientation to the teacher education program, including the procedures for teacher certification. It provides a broad overview of the field of Education. Emphasis will be on issues and trends in education and teaching as a profession. Observations in school settings are required to assist students in exploring teaching as a career option.
- EDUCATION 232 Foundations of Childhood Education** **Three credit hours**
 This course provides the prospective elementary or preschool teacher with knowledge of the history, philosophies and theories that undergird schools and programs for children from birth through grade six. The course will focus on the application of philosophies and theories to contemporary programs.
- EDUCATION 233 Introduction to Exceptional Children** **Three credit hours.**
 A course concerned with the characteristics and problems of exceptional children, including the learning disabled, the mentally retarded, the emotionally disturbed, physically handicapped and the gifted and talented.
- EDUCATION 234 Creative Arts in the Elementary** **Three credit hours**
 This course provides knowledge of concepts necessary for teaching visual and dramatic arts in the elementary school. Emphasis is on fundamentals of visual and theater arts and appropriate integration of each into the elementary school curriculum.
- EDUCATION 296 Psychology of the Exceptional** **Three credit hours**
 An examination of psychological approaches to understanding exceptional children. Emphasis on applications to educational settings. (Same as Psychology 230)
Prerequisite: Admission to Teacher Education.
- EDUCATION 310 Junior Practicum in Early Childhood Education** **One credit hour**
 The Practicum will provide junior year students in early childhood education with an opportunity to strengthen their understanding of early childhood programs and to acquire skills and experiences by working directly with children in a classroom setting. **Prerequisite: Education 232 or consent of Education Department.**
- EDUCATION 311 Junior Practicum in Elementary Education** **One credit hour**
 The Practicum will provide junior year students in elementary education with an opportunity to strengthen their understanding of elementary school programs and to acquire skills and experiences by working directly with children in a classroom setting. This course is taught concurrently with the Education 394. **Prerequisite: Admission to Teacher Education.**
- EDUCATION 312 Junior Practicum in Secondary Education** **One credit hour**
 The Practicum will provide junior year students in secondary education with an opportunity to strengthen their understanding of the secondary school programs and to acquire skills and experiences by working directly with children in a classroom setting. This course is taught concurrently with Education 395. **Prerequisite: Admission to Teacher Education.**
- EDUCATION 322 Teaching Social Studies in the Elementary School** **Two credit hours**
 A course designed to help elementary teachers develop and integrate social studies in the elementary school curriculum. The course emphasizes inquiry in elementary program. **Prerequisite: Admission to Teacher Education.**

EDUCATION 330 Foundations of Education Three credit hours
An examination of the role of the school in society and societal forces that influence education. Includes the historical, sociological and philosophical foundations of education. Prerequisite: Admission to Teacher Education.

EDUCATION 332 Children's Literature Three credit hours
This course provides an overview of the range of books for children, genres of children's literature, and a study of the criteria used to evaluate and choose children's books. It also includes history and trends of children's literature. Strategies for sharing books with children and integrating literature throughout the curriculum are included. Prerequisite: Consent of Education Department.

EDUCATION 333 Teaching Science in the Elementary School Three credit hours
Emphasis on the principles, practices, and procedures of the teaching of science in the elementary school. Prerequisite: Admission to Teacher Education.

EDUCATION 334 Communication Skills and the Young Child Three credit hours
A study of ways in which the young child organizes and communicates ideas and feelings through designed learning experiences. A minimum of ten hours of observation and participation with children from infancy through age eight will provide the laboratory experiences for this course.

EDUCATION 336 Science and the Young Child Three credit hours
An examination of scientific concepts and phenomena in ways which are consistent with the young child's way of seeing, inquiring, and experimenting with the natural environment. Emphasis is on problem solving approaches to discovery.

EDUCATION 337 Teaching Communication in the Elementary School I Three credit hours
The first of two courses designed to teach language/literacy in the elementary school. Focus is on the reading process and effective use of methods, techniques and materials in reading instruction. Emphasis is on the integration of the language arts. Prerequisite: Admission to Teacher Education

EDUCATION 338 Teaching Communication in the Elementary School II Three credit hours
The second of two courses designed to teach language/literacy in the elementary school. Emphasis is on the integration of reading, writing, listening, speaking, and viewing skills in the elementary language/literacy program. Students are required to work directly with children in a classroom setting. Prerequisite: Admission to Teacher Education, Education 337.

EDUCATION 394 The Elementary School Curriculum Three credit hours
A study of curriculum, instruction and evaluation in elementary schools. The course will examine philosophies, theories, aims, goals, principles and practices. The course will also include classroom and behavior management. This course is taught concurrently with Education 311. Prerequisite: Admission to Teacher Education.

EDUCATION 395 The Secondary School Curriculum Three credit hours
A study of curriculum, instruction and evaluation in secondary schools. The course will examine philosophies, theories, aims, goals, principles and practices. The course will also include classroom and behavior management. This course is taught concurrently with Education 312. Prerequisite: Admission to Teacher Education.

EDUCATION 398 Literature for the Young Child **Three credit hours**
 Wide exploration and study of picture-story books, including Caldecott and Newberry awards, storytelling as an art, puppets for expression, use of films, filmstrips, and other media with a primary focus on uses within early education programs.

EDUCATION 410, 420 Independent Study **One to three credit hours**
 A planned and structured research project jointly defined by student and faculty. Number of credit hours contingent upon scope of work to be completed. May be taken for credit in early childhood, elementary, or secondary education. **Prerequisite: Consent of Education Department.**

EDUCATION 421 Research in Elementary Education **Two credit hours**
 A study of introductory research methods in the area of elementary education or child development. The student must select a topic for investigation. The student must conduct the research and write the senior paper under the supervision of an advisor and one other faculty member. The investigative paper is a requirement for graduation and it must be completed before admission to student teaching. **Prerequisite: Consent of Education Department.**

EDUCATION 490 Student Teaching in Early Childhood Education **Twelve credit hours**
 Students are placed in cooperating schools in preschool or kindergarten classrooms for one semester. Activities include directed observation, guided participation, and fulltime classroom teaching. A required two to three hour weekly seminar provides support for the student teaching experience. **Prerequisite: Completion of ALL other degree requirements.**

EDUCATION 491 Student Teaching in Elementary Education **Twelve credit hours**
 Students are placed in cooperating schools in elementary classrooms for one semester. Activities include directed observation, guided participation, and fulltime classroom teaching. A required two to three hour weekly seminar provides support for the student teaching experience. **Prerequisite: Completion of ALL other degree requirements.**

EDUCATION 492 Student Teaching in Secondary Education **Twelve credit hours**
 Students are placed in cooperating schools in secondary classrooms for one semester. Activities include directed observation, guided participation, and fulltime classroom teaching. A required two to three hour weekly seminar provides support for the student teaching experience. **Prerequisite: Completion of ALL other degree requirements.**

PROFESSIONAL LABORATORY EXPERIENCES

Professional laboratory experiences constitute an essential part of the preparation of teachers. These experiences include all of student's direct school and community relationships which are designed to contribute to the understandings and competencies needed to perform and function as a classroom teacher. These experiences include a planned program of observation with varying degrees of participation as early as possible in the program. Examples of essential participatory activities are observer, school service assistant, instructional assistant, tutor, monitor, and suitable roles in state and community service agencies.

Professional Laboratory Experiences prior to student teaching are categorized as pre-student teaching experiences. Students in Elementary Education are required to complete 80-100 non credit clock hours in pre-student teaching experiences. Forty-five non credit clock hours are required of Secondary Education Majors.

The Education Department operates the Mary Irwin Belk Early Childhood center as a demonstration program for the care and education of young children between the ages of 2 and 5. The Center provides many and varied opportunities for students to observe young children and to learn about modern materials and teaching methods through practical experiences.

STUDENT TEACHING

All Teacher Education Majors are required to satisfactorily complete one full semester of student teaching. The student teaching semester occurs in the senior year and is devoted entirely to student teaching. No student accepted for enrollment in student teaching is permitted to register for any courses other courses.

Students who wish to do student teaching during the senior year must file an application for student teaching with the Education Department at the beginning of the semester prior to the one in which student teaching is to begin. Application must be filed by January 20 for the FALL SEMESTER and by September 20 for the SPRING SEMESTER.

ADMISSION TO STUDENT TEACHING

The following requirements must be met prior to student teaching:

1. A cumulative grade point average of 2.50 or better
2. A grade of "C" or better in required courses in education, psychology, and those courses offered in fulfillment of the student's major
3. A grade of "C" or better in each course offered in fulfillment of general education requirements in English, social studies, mathematics and science
4. Demonstrated proficiency in oral and written communication
5. Completion of all other course (education, general education, major) requirements for graduation.
6. Approval of the Teacher Education Committee, the Education Department and the department of the student's major
7. Official admittance into the Teacher Education Program at least one full semester prior to the semester in which student teaching is to occur and must maintain continuous membership in the program
8. Possession of a health certificate indicating good mental and physical health

9. Completion, at the satisfactory level, of the pre-student teaching required hours of professional laboratory experiences
10. Successfully completed the NTE tests: Communication Skills (CK) and General Knowledge (GK).

Students will be notified by mail of the action taken on their application and of the semester in which they will do student teaching. It is expected that students will devote full time to student teaching.

TEACHER CERTIFICATION

The University will recommend for initial certification only those students who have successfully completed the requirements of any of the teacher education programs offered by Johnson C. Smith University and who have met the minimum score requirements on the Professional and Teaching Area Tests of the National Teacher Examinations.

The requirements for teacher certification may be summarized as:

1. Completion of requirements for a degree
2. Completion of an approved teacher education program
3. Credit for successful student teaching in the area of specialization
4. Recommendation of the Education Department, the Teacher Education Committee and the department of the major.
5. Satisfactory scores on the National Teacher Examinations

Students interested in obtaining teacher certification in states other than North Carolina will need to plan their program to meet the specific requirements of the given state.

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

The Health and Physical Education Department is located in the Jack S. Brayboy Gymnasium, and is housed in Division III: Education, Psychology, Health and Physical Education.

DEPARTMENT OBJECTIVES

1. To prepare students for careers in school health education, health promotion, community health and related areas.
2. To prepare students for careers in teacher education - physical education, sports management and related areas.
3. To give students the opportunity to apply, analyze, synthesize and communicate knowledge, skills and experiences in writing the Senior Paper and in preparing for the Senior Exit Examination.
4. To prepare students for further study in fields of health education and/or physical education.

5. To provide wholesome recreational activities and programs to students, faculty and staff.
6. To provide courses in the Continuing Education Program.
7. To provide services to the University and community by offering clinics, seminars, workshops, fairs and facility rentals.

A student majoring in the Health and Physical Education department can choose from one of the options below.

Health Education:

1. Emphasis in School Health
2. Emphasis in Community Health
3. Emphasis in Health Promotion

Physical Education:

1. Emphasis in Teacher Education
2. Emphasis in Sports Management

Consult the listings on the following pages for required courses and credit hours for each of the major options.

The goals for the major in physical education with emphasis in teacher education are:

1. To provide instruction that will prepare potential teachers to become professional decision makers in our ever changing society and provide them with the necessary tools needed to work with and compete in multifaceted roles.
2. To provide a progressive sequence of experiences and courses based on a sound knowledge base that will produce competent teachers.
3. To create a learning environment that will encourage students to develop positive attitudes, values and personal qualities that will reflect professionalism.
4. To provide a physical environment that reflects pride and facilitates optimum learning.
5. To provide instruction that will promote growth and development in the physical, social, mental, and emotional domains.
6. To provide courses of study that will adequately prepare students to pursue graduate studies.
7. To demonstrate competencies required by the state and national accreditation agencies.
8. To give students the opportunity to apply, analyze, synthesize and communicate knowledge, skills and experiences.

The aim of the school health education curriculum is to establish a comprehensive program which will contribute to the understanding of the health of students in the public schools. This aim will be accomplished primarily by supporting the areas of service, environment and instruction through the following goals:

1. To provide instruction that will prepare potential teachers to become professional decision makers in our ever changing society and provide them with the necessary tools needed to work with and compete in multifaceted roles.
2. To create progressive sequences of experiences that will produce competent teachers who will demonstrate the competencies required by state and national accreditation agencies.
3. To create a learning environment that will encourage students to develop positive health attitudes and behaviors that reflect professionalism.
4. To promote the development of sound health knowledge, practices and attitudes.
5. To provide well - planned instructions that meets the growth, developmental needs and interests of students.

All health education and physical education majors must take and complete the required personal health and physical education activity courses to satisfy general education requirements. In addition, all majors must earn a minimum grade of "C" in any course that counts toward the major.

Any major or non-major student will have an opportunity to earn certificates by completing one or more courses offered by the department. Currently, American Red Cross certifications are available in aquatics, first aid and CPR. Also, a student may receive certifications in one of the sport officiating areas.

For a minor concentration in the areas of Health and Physical Education, the student should contact the department for guidance.

The following are requirements for students majoring in Health and Physical Education:

1. Membership in the Health and Physical Education club.
2. Hold active membership in the North Carolina Alliance for Health, Physical Education, Recreation and Dance. Membership is recommended (optional) for the American Alliance for Health Physical Education, Recreation and Dance.

Students in other departments may satisfy health and activity general education requirements by satisfactorily completing HED 121 and any two courses from PED 010 through PED 119, except 026-027 (not general education requirement electives).

Physical Education 119-I & II are adaptive courses offered only to students with temporary or permanent handicapping conditions. Enrollment in the course is contingent upon permission from a physician, and/or the inability of the student to participate in the regular activity courses.

HEALTH EDUCATION CURRICULA OPTIONS

CORE CURRICULUM			CREDIT HOURS
HED	221	Introduction to Health Education	2
HED	223	Community Health	2
HED	225	Drugs, Alcohol and Tobacco Abuse	2
HED	231	Health and Nutrition	3
HED	321	Mental Health	2
HED	325	Organization and Administration of Health Education	2
HED	327	Safety and Emergency Care	2
HED	420	Measurement and Evaluation	2
HED	430	Contemporary Trends, Issues and Research in Health Education	3
HED	433	Major Practicum	3
BIO	240	Anatomy and Physiology	4
BIO	142	Introduction to Biology	<u>4</u>
TOTAL CORE CURRICULUM HOURS			31

ELECTIVE:

BIOLOGY	146	MOLECULAR BIOLOGY	4
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OPTION 1
B.S. IN HEALTH EDUCATION: EMPHASIS IN SCHOOL HEALTH
(TEACHER EDUCATION)

HED	224	Healthful Living	2
HED	222	Health Related Fitness	2
HED	232	Human Sexuality and Family Living	3
HED	323	Health Education in the Elementary School	2
HED	332	Principles, Procedures and Practices in Health Education	3
HED	333	School Health Problems	3
HED	434	Methods and Materials in Teaching Health Education	<u>3</u>
TOTAL			18

PROFESSIONAL EDUCATION

ED	220	Early Experiences in Teacher Education	2
PSY	235	Psychology of Childhood -OR-	
PSY	237	Psychology of Adolescence	3
PSY	239	Educational Psychology	3
ED	296	Psychology of the Exceptional	3
ED	330	Foundations of Education	3
ED	394	The Elementary School Curriculum -OR-	
ED	395	The Secondary School Curriculum	3
ED	311	Junior Practicum In Elementary Education -OR-	
ED	312	Junior Practicum In Secondary Education	1

ED	492	Student Teaching In the Secondary School	
		-OR-	
ED	491	Student Teaching In the Elementary School	<u>12</u>
TOTAL PROFESSIONAL EDUCATION			30
TOTAL SCHOOL HEALTH			18
CORE CURRICULUM			31
TOTAL HOURS FOR OPTION 1			79

OPTION 2
**B.S. IN HEALTH EDUCATION:
EMPHASIS IN COMMUNITY HEALTH
CURRICULUM**
CREDIT HOURS

HED	224	Healthful Living	2
HED	232	Human Sexuality and Family Living	3
SOC	224	Introduction to Gerontology	2
HED	322	Minority Health Problems/Issues	2
HED	323	Health Education in the Elementary School	2
HED	326	Death and Dying	2
HED	434	Methods and Materials in Teaching Health Education	3
HED	435	Epidemiology	3
HED	422	Environmental Health	<u>2</u>
TOTAL COMMUNITY HEALTH			21
CORE CURRICULUM			<u>31</u>
TOTAL HOURS FOR OPTION 2			52

OPTION 3
**B.S. IN HEALTH EDUCATION:
EMPHASIS IN HEALTH PROMOTION
SELECT THIRTEEN CREDIT HOURS**
CREDIT HOURS

HED	222	Health Related Fitness	2
HED	232	Human Sexuality and Family	3
HED	434	Methods and Materials in Teaching Health Education	3
SOC	224	Introduction to Gerontology	2
HED	226	Consumer Health	2
PED	332	Kinesiology	3
PED	432	Exercise Physiology	<u>3</u>
			(13)

SELECT THREE CREDIT HOURS

MKT	331	Principles of Marketing	3
MGT	334	Personnel Management	3
PUR	331	Public Relations	<u>3</u>
			(3)

TOTAL HEALTH PROMOTION			16
CORE CURRICULUM			<u>31</u>
TOTAL HOURS FOR OPTION 3			47

PHYSICAL EDUCATION CURRICULA OPTIONS

CORE CURRICULUM

CREDIT HOURS

HED	223	Community Health	2
PED	324	Athletic Training	2
PED	332	Kinesiology	3
PED	420	Measurement and Evaluation in Physical Ed.	2
PED	430	Contemporary Trends, Issues and Research	3
PED	432	Exercise Physiology	3
PED	433	Major Practicum	3
BIO	142	Introduction to Biology	4
BIO	240	Anatomy and Physiology	<u>4</u>
TOTAL CORE CURRICULUM HOURS			26

OPTION 1:

B.S. IN PHYSICAL EDUCATION WITH EMPHASIS IN

TEACHER EDUCATION

PED	221	Introduction to Physical Education	2
PED	222	Dual and Single Games	2
PED	223	Gymnastics	2
PED	224	Rhythm and Dance	2
PED	225	Skills, Techniques and Evaluation	2
PED	321	PED in the Elementary Schools	2
PED	322	Methods & Materials in Teaching Teamsports	2
PED	323	Adapted Physical Education	2
PED	325	Organization & Administration of PED	2
PED	331	Principles of Physical Education	3
PED	431	Methods and Materials in Teaching PED	3
HED	327	Safety and Emergency Care	2
HED	333	School Health Problems	3
HED	434	Methods and Materials in Teaching HED	<u>3</u>
TOTAL			32

PROFESSIONAL EDUCATION

ED	220	Early Field Experiences in Teacher Ed.	2
PSY	235	Psychology of Childhood	
-OR-			
PSY	237	Psychology of Adolescence	3
PSY	239	Educational Psychology	3
ED	296	Psychology of the Exceptional	3
ED	330	Foundations of Education	3
ED	394	The Elementary School Curriculum	
-OR-			
ED	395	The Secondary School Curriculum	3
ED	311	Junior Practicum in Elementary Education	
-OR-			
ED	312	Junior Practicum in Secondary Education	1
ED	491	Student Teaching in Elementary School	
-OR-			
ED	492	Student Teaching in Secondary School	<u>12</u>
TOTAL PROFESSIONAL EDUCATION			30
TOTAL PHYSICAL EDUCATION: TEACHER EDUCATION			32
CORE CURRICULUM			<u>26</u>
TOTAL HOURS FOR OPTION 1			88

OPTION 2:**B.S. IN PHYSICAL EDUCATION WITH AN EMPHASIS IN SPORTS MANAGEMENT**

PED	222	Dual and Single Games	2
PED	229	Introduction to Sports Management	2
PED	322	Methods and Materials of Teaching Team Sports	2
PED	325	Organization and Administration of PED	2
PED	331	Principles of Physical Education	<u>3</u>
TOTAL CREDIT HOURS			11

**SPECIALIZED GUIDED COURSES:
SELECT NINE CREDIT HOURS**

PED	227	Philosophy of Coaching	2
PED	120	Introduction to Recreation	2
HED	222	Health Related Fitness	2
PED	213	Emergency Water Safety and Lifeguarding	1
PED	220	Water Safety Instructor	2
HED	327	Safety and Emergency Care (Infant and Child CPR; Adult CPR; Standard First Aid; etc.)	2
PED	310, 320 or 330	(I-V) Other Possibly Transferred Advanced Instructor Level Certified Courses (Examples, but not limited to): I. Aerobics II. Gymnastics III. Scuba Diving IV. Athletic Training	3
			<u>—</u> (9)

SELECT NINE CREDIT HOURS

MGT	333	Principles of Management	3
ACT	235	Principles of Accounting I	3
MKT	331	Principles of Marketing	3
CSC	131-132	Computer Concepts I & II	6
B&F	330	Business Finance	3
ECO	231 & 232	Principles of Economics	3/6
MGT	339	Small Business Management	3
MGT	335-336	Legal Environment of the Firm	6
ACT	235	Principles of Accounting	<u>3</u>
			(9)
TOTAL - SPORTS MANAGEMENT			<u>29</u>
CORE CURRICULUM			26
TOTAL HOURS FOR OPTION 2			55

HEALTH EDUCATION**HEALTH EDUCATION 121 Personal Health*****Two credit hours**

A lecture course discussing topics such as preventive health care and nutrition, coping in today's society, decision making, diseases, drugs, love and the human life cycle, etc. This course satisfies the general education requirement for majors and non-majors. (Formerly Personal Hygiene)

HEALTH EDUCATION 221 Introduction to Health Education Two credit hours

This is the first course for students majoring in health education. It is designed to provide: an overview of the field, information concerning career opportunities and professional growth, and practical experience in an area of interest with a minimum of ten (10) clock hours of observation at an outside agency or organization. (Formerly Health and Physical Education 228)

HEALTH EDUCATION 222 Health Related Fitness Two credit hours

This course is designed to develop knowledge and skills in the area of health related fitness. Emphasis will be placed on those aspects of physiological and psychological functioning which offer some protection against degenerative type diseases such as coronary heart disease, obesity, and various musculoskeletal disorders.

HEALTH EDUCATION 223 Community Health Two credit hours

A study of the health aspects of the community such as sanitation, pollution, disease, etc. and their implications for society.

HEALTH EDUCATION 224 Healthful Living Two credit hours

This course provides the student with knowledge and techniques of health as it affects personal, professional, and family living. Health careers are also an aspect of this course. Satisfies the general education requirement in health for Health Education majors only. (Formerly Health Education 230)

HEALTH EDUCATION 225 Drugs, Alcohol and Tobacco Abuse Two credit hours

This course is concerned with the effects of the use and the abuse of drugs, alcohol and tobacco on the individual and society.

HEALTH EDUCATION 226 Consumer Health Two credit hours

This course will evaluate products and services that affect the health status of individuals and families. It will also examine health-related fads and superstitions as well as the safety and effectiveness of programs and devices in health and fitness.

HEALTH EDUCATION 231 Health and Nutrition Three credit hours

This course deals with nutritional needs of the human body and the implications for healthful living. (Formerly Health Education 235)

HEALTH EDUCATION 232 Human Sexuality and Family Living**Three credit hours**

This course deals with concepts concerning sexuality and implications for self, school and society. (Formerly Health Education 231)

HEALTH EDUCATION 310, 320, & 330 Independent Study**One - Three credit hours**

A course designed to provide intensive work in an area of special interest or a required topic in health education. This course is available to qualified students upon recommendations from the academic advisor and the instructor related to the topic. (Formerly Health Education 320)

HEALTH EDUCATION 320 Death and Dying Two credit hours

This course will examine the cultural perception, trends, economic and emotional factors associated with death and dying.

*Satisfies General Education Requirement

HEALTH EDUCATION 321 Mental Health Two credit hours

This course is designed to develop knowledge and skills in the area of mental health. Emphasis will be placed on the identification of stressors at various life stages and behavioral techniques available to promote and enhance positive mental health. (Formerly Health Education 321)

HEALTH EDUCATION 322 Minority Health Problems and Issues Two credit hours

This course is designed to discuss the social characteristics of minority populations, mortality and morbidity indicators, prevention strategies, and the recommendations by the Department of Health and Human Services.

HEALTH EDUCATION 323 Health Education in the Elementary Schools Two credit hours

This course is designed to assist the students in developing knowledge and skills in planning curricula, defining instructional objectives, and writing lesson plans to enhance their effectiveness in teaching health education content at the elementary school level.

HEALTH EDUCATION 325 Organizations and Administration of Health Education Two credit hours

This course provides the student with competencies essential to organizing and administering health education programs. (Formerly Health and Physical Education 331)

HEALTH EDUCATION 326 Death and Dying Two credit hours

This course will examine the cultural perception, trends, economic and emotional factors associated with death and dying.

HEALTH EDUCATION 327 Safety and Emergency Care Two credit hours

This course is designed to aid the student in developing the knowledge and skills essential for safety measures and emergency care procedures. Successful completion of this course carries American Red Cross certifications in first aid, cardiopulmonary resuscitation and possibly a certification as an instructor. (Formerly Health Education 320, 321)

HEALTH EDUCATION 332 Principles, Procedures and Practices in Health Education Three credit hours

The study of health education principles, procedures and practices to improve health learning and teaching in the school and public setting. (Formerly Health Education 334)

HEALTH EDUCATION 333 School Health Problems Three credit hours

A study of the school health program, its values, and its problems in developing health education in the secondary school. (Formerly Health Education 335)

HEALTH EDUCATION 420 Measurement and Evaluation in Health Education Two credit hours

This course introduces the student to the principles and practices of measurement of health status, physical fitness, sport skills, knowledge, and other characteristics relevant to physical education and health education, sport, and fitness and the use of measurement data in school and other settings.

HEALTH EDUCATION 422 Environmental Health Two credit hours

This course is designed as an overview course for students wishing to gain an understanding of the elements of environmental health. The course will consist of a series of lectures dealing with external factors in the environment that impact

on human health, biological mechanisms that maintain homeostasis and defend humans against environmental insults, adverse health effects induced by environmental agents and efforts to minimize the occurrence of these adverse health effects.

HEALTH EDUCATION 430 Contemporary Trends, Issues & Research in Health Education Two Credit Hours

The purpose of this course is to expose professional students to significant issues, methodology, and research in the field of health education, and to investigate an area of major interest for the Senior Paper. The student will be assigned an advisor to monitor the research and the student will successfully complete the Senior Paper in order to exit the course. (Formerly HED 421)

HEALTH EDUCATION 433 Major Practicum Three credit hours

This is primarily a laboratory course in which student majors actually practice the utilization of methods, techniques, and the use of materials under the direct supervision of a faculty member. The practicum generally takes place at local agency or in a public school setting. (Formerly Health and Physical Education 433)

HEALTH EDUCATION 434 Methods and Materials in Teaching Health Education Three credit hours

A course designed to provide the student with the opportunity to develop knowledge and competencies in the use of effective methods of teaching health education and the effective use of resources. This course includes an observation period, the use of A-V material and equipment, and exposure to the computer. Prerequisite: Health Education 332

HEALTH EDUCATION 435 Epidemiology Three credit hours

This course introduces students to principles and concepts in epidemiology through lectures, discussion groups, assigned readings and exercises. Students are given the opportunity to acquire an understanding of principles and concepts, the vocabulary of epidemiology, methods of epidemiological investigation, and the interpretation and evaluation of reports of epidemiological research.

PHYSICAL EDUCATION

PHYSICAL EDUCATION 010 Beginner Tennis* One credit hour

This is an activity course designed to teach basic tennis knowledge and skills including: forehand, backhand, serve, singles and doubles play.

PHYSICAL EDUCATION 011 Beginner Golf * One credit hour

This is an activity designed to teach basic golf knowledge and skills preliminary to course play.

PHYSICAL EDUCATION 012 Beginner Volleyball * One credit hour

This is an activity course designed to teach fundamental terms, rules, skills and strategies of volleyball.

PHYSICAL EDUCATION 013 Beginner Soccer * One credit hour

This course is designed to teach fundamental knowledge, strategy and skills of soccer such as kicking, trapping, volleying, heading, tackling, etc.

PHYSICAL EDUCATION 026 Sports Officiating I Two credit hours

A course providing the student with knowledge, skills and mechanics essential to athletic sports officiating in football, basketball, and volleyball.

*Satisfies General Education Requirement

- PHYSICAL EDUCATION 027 Sports Officiating II** Two credit hours
A course providing the student with knowledge, skills, and mechanics essential to athletic sports officiating in swimming, basketball, softball, tennis, track and field.
- PHYSICAL EDUCATION 110 Basic Swimming *** One credit hour
This is a swimming course structured to train students up to advanced beginner level.
- PHYSICAL EDUCATION 111 Advanced Beginner Swimming *** One credit hour
A swimming course designed to train students with basic swimming skills. Prerequisite: Physical Education 110 or obtain permission from the instructor.
- PHYSICAL EDUCATION 112 Intermediate Swimming *** One credit hour
This course provides the student with the opportunity to develop a high level of proficiency in the American crawl, back crawl, elementary backstroke, etc. Prerequisite: Physical Education 111 or obtain permission from the instructor.
- PHYSICAL EDUCATION 113 Intermediate Tennis *** One credit hour
This course affords the student the opportunity to develop more advanced strokes such as the volley, the overhead shot, the drop shot, and the lob. This course also allows the student to be in actual dual match competition in a smaller class setting. Prerequisite: Physical Education 010 or obtain permission from the instructor.
- PHYSICAL EDUCATION 114 Recreational Games *** One credit hour
A course in bowling, shuffleboard, handball, badminton, tennis, paddle tennis, golf, and archery. Activities based upon semester.
- PHYSICAL EDUCATION 115 Rhythm and Dance Activities *** One credit hour
This is a course consisting of a variety of rhythm and dance activities: folk, square, social, modern, etc. (Satisfies elective requirements for Elementary Education majors)
- PHYSICAL EDUCATION 116 Team Sports *** One credit hour
This course is designed to introduce the student to the basic skills, strategies, and rules of a variety of team sports, which may include: basketball, softball, volleyball, soccer, etc.
- PHYSICAL EDUCATION 117 Physical Fitness *** One credit hour
This course is designed to introduce the student to a variety of physical fitness activities which may include: aerobics, weight training, aquatic exercises, etc.
- PHYSICAL EDUCATION 118 Dance Explorations *** One credit hour
This course provides the student with the opportunity to explore dance as an art form. It is designed to provide an overview of techniques used in ballet, modern, aerobic, jazz and other contemporary dances.
- PHYSICAL EDUCATION 119-I and 119-II Adapted Physical Education*** One credit hour
A course in conditioning and sport activities designed for those with temporary or permanent physical disabilities which prevent participation in regular activity classes. A student must have permission from a physician before participating in the course.

*Satisfies General Education Requirement

PHYSICAL EDUCATION 120 Introduction to Recreation Two credit hours

An elective course designed to acquaint students with contemporary trends in administration, supervision, facilities and other areas of public and private recreation. A general historical background is included.

PHYSICAL EDUCATION 213 Emergency Water Safety and Lifeguarding One credit hour

This course provides the student with knowledge, skills and possible American Red Cross certification in emergency water safety or lifeguarding procedures.

PHYSICAL EDUCATION 220 Water Safety Instructor Two credit hours

This course provides the student with knowledge and skills essential for teaching Beginner and Advanced Beginner Swimming. Also, the student would be certified to teach Basic Water Safety and Rescue. Prerequisite: Students must have a current American Red Cross certificate in Emergency Water Safety and Lifeguarding. (Formerly PED 215)

PHYSICAL EDUCATION 221 Introduction to Physical Education Two credit hours

This is the first course for students majoring in physical education. It is designed to provide: an overview of the field; information concerning career opportunities and professional growth; and practical experience in an area of interest with a minimum of ten clock hours of observation at an outside agency or organization.

PHYSICAL EDUCATION 222 Dual and Single Games Two credit hours

A course providing teaching methods for individual and partner activities such as racquetball, tennis, archery, badminton, bowling, golf, etc. (Formerly Physical Education 224)

PHYSICAL EDUCATION 223 Gymnastics Two credit hours

The techniques of teaching and learning the fundamentals of gymnastics are emphasized in this course. The fundamental skills of tumbling and floor exercises as well as the use of the balance beam, parallel bars, the horse, etc. are taught.

PHYSICAL EDUCATION 224 Rhythm and Dance Two credit hours

This course presents the fundamental skills, and the methods and techniques of teaching rhythm and dance activities. Elementary education majors may substitute this course for PED 115, but it will only satisfy one general education activity course. (Formerly Physical Education 329; satisfies one activity requirement for Elementary Education majors))

PHYSICAL EDUCATION 225 Skills, Techniques and Evaluation Two credit hours

This course is designed to provide the student with skills, practice, and theory in physical fitness. Major components of muscle strength, endurance, cardiovascular pulmonary endurance, flexibility, and body composition will be discussed. Exercise evaluation skills, prescription skills, assessment skills, and leadership skills are discussed.

PHYSICAL EDUCATION 227 Philosophy of Coaching Two credit hours

An elective course offered to majors and non-majors aspiring to enter the coaching profession. This course will assist students in developing a coaching philosophy by discussing topics such as foundations of physical education and athletics, and general coaching classes.

*Satisfies General Education Requirement

PHYSICAL EDUCATION 228 Fundamental Concepts in Exercise Science**Two credit hours**

The course familiarizes the student with some fundamental concepts, and materials relative to exercise physiology concepts will be introduced.

PHYSICAL EDUCATION 229 Introduction to Sports Management**Two credit hours**

This course is designed to introduce the student to career options and entry requirements in sports management, including options in professional sports, athletic administration (school related), proprietary sport pedagogy, sport-specialty retailing, and sport-related travel.

PHYSICAL EDUCATION 310, 320 & 330 Independent Study**One - three credit hours**

A course designed to provide intensive work in an area of special interest or a required topic in physical education. This course is available to qualified students upon recommendation from the academic advisor and the instructor related to the topic. (Formerly Physical Education 330)

PHYSICAL EDUCATION 321 Physical Education in the Elementary Schools**Two credit hours**

A course designed to provide students with knowledge and practical experience that will enhance their effectiveness in teaching physical education to elementary school children. A laboratory experience is required. (Formerly Physical Education 232)

PHYSICAL EDUCATION 322 Methods and Materials in Teaching Team Sports**Two credit hours**

This course prepares the student with competencies in the utilization of materials, methods and techniques for teaching team type activities. (Formerly Physical Education 323, 324)

PHYSICAL EDUCATION 323 Adapted Physical Education**Two credit hours**

This course is designed to provide the students with the philosophy, the knowledge, and methods of teaching physical education to the exceptional or handicapped individual. A practical experience (required lab) is included to implement classroom instruction. (Formerly Physical Education 323, 327, 337)

PHYSICAL EDUCATION 324 Athletic Training**Two credit hours**

This course introduces the student to the areas of prevention, care, and rehabilitation of athletic injuries which contributes to the enhancement of athletic performance. (Formerly Physical Education 330)

PHYSICAL EDUCATION 325 Organization and Administration of Physical Education**Two credit hours**

This course provides the student with competencies essential to organizing and administering physical education programs. (Formerly Health and Physical Education 331)

PHYSICAL EDUCATION 331 Principles of Physical Education**Two credit hours**

A lecture course dealing with the underlying principles and meaning of physical education. Prerequisite: Physical Education 228 (Formerly Physical Education 336)

Three credit hours

This course reinforces student knowledge of anatomy, and it provides the student with the opportunity to develop competencies essential to analyzing physical activity performance. A laboratory experience is included. Prerequisite: Biology 240 or it can be taken concurrently. (Formerly Physical Education 333 - Anatomy and kinesiology) Prerequisite: Biology 240

Physical Education and Sport

Two credit hours

This course introduces the student to the principles and practices of measurement of health status, physical fitness, sport skills, knowledge, and other characteristics relevant to physical education and health education, sport, and fitness and the use of measurement data in school and other settings.

Physical Education

Three credit hours

The purpose of this course is to expose professional students to significant issues, methodology, and research in the field of physical education, and to investigate an area of major interest for the Senior Paper. The student will be assigned an advisor to monitor the research, and the student will successfully complete the Senior Paper in order to exit the course. (Formerly PED 421)

Education

Three credit hours

A study of and the effective use of methods and materials (media and the computer) for teaching physical education in the public schools. (Formerly Physical Education 422) Prerequisite: PED 331

Three credit hours

This course presents fundamental concepts and materials pertinent to the various functions of the human body during physical activity. It provides the student with the knowledge of the physiological effects of exercise as well as an awareness of the values of physical activity to man's well being. A laboratory experience is required. Prerequisite: Biology 240 (Can be taken concurrently) PED 332

Three credit hours

This is primarily a laboratory course in which student majors actually practice the utilization of methods, techniques, and the use of materials under the direct supervision of a faculty member. The practicum takes place at a local agency or in a public school setting.

EMPHASIS IN SCHOOL HEALTH

Freshman Year

	Credit		Credit
Fall Semester	Hours	Spring Semester	Hours
Freshman Studies	12	Freshman Studies	12
Orientation 111	1	Orientation 112	1
Math (3)	<u>3</u>	Math (3)	<u>3</u>
	16		16

Sophomore Year

English 231/232	3	History 132	3
History 131	3	Humanities (3)	3
Humanities (3)	3	French/Spanish 132	3
Health Education 221	2	Biology 142	4
Health Education 121	2	Health Education 222	2
French/Spanish 131	3	Speech 131	<u>3</u>
Education 220	<u>2</u>		18
	18		

Junior Year

Physical Education 010-118	2	Psychology 239	3
Psychology 235/237	3	Education 296	3
Biology 240	4	Health Education 224	2
Health Education 223	2	Health Education 321	2
Health Education 225	2	Health Education 322	2
Health Education 231	3	Health Education 327	2
Health Education 323	<u>2</u>	Health Education 332	<u>3</u>
	18		17

Senior Year

Education 330	3	Health Education 430	3
Education 394/395	3	Electives	7
Education 311/312	1	Health Education 434	<u>3</u>
Health Education 325	2		13
Health Education 433	3		
Health Education 333	3		
Health Education 420	<u>2</u>		
	17		

*Student Teaching

Education 491/492	12
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**A four year program, if summer school is attended.*

CURRICULUM FOR A HEALTH EDUCATION MAJOR:
EMPHASIS IN COMMUNITY HEALTH

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Freshman Studies	12	Freshman Studies	12
Orientation 111	1	Orientation 112	1
Math (3)	3	Math (3)	<u>3</u>
	<u>—</u>		16
	16		

Sophomore Year

English 231/232	3	History 132	3
History 131	3	Humanities (3)	3
Humanities (3)	3	French/Spanish 132	3
Health Education 221	2	Biology 142	4
Health Education 121	2	Health Education 224	2
French/Spanish 131	3	Speech 131	<u>3</u>
Physical Ed. 010-118	<u> </u>		18
	17		

Junior Year

Biology 240	4	Health Education 226	2
Health Education 223	2	Health Education 321	2
Health Education 225	2	Health Education 322	2
Health Education 231	3	Health Education 327	2
Health Education 323	2	Health Education 326	2
Health Education 325	2	Sociology 224	2
Physical Education 010-118	<u>1</u>	Electives	<u>3</u>
	16		15

Senior Year

Health Education 422	2	Health Education 430	3
Health Education 435	3	Health Education 434	3
Health Education 420	2	Electives	<u>6</u>
Health Education 433	3		12
Electives	<u>3</u>		
	13		

CURRICULUM FOR A HEALTH EDUCATION: EMPHASIS IN HEALTH PROMOTION

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Freshman Studies	12	Freshman Studies	12
Orientation 111	1	Math (3)	3
Math (3)	<u>3</u>	Orientation	<u>1</u>
	16		16

Sophomore Year

English 231/232	3	Health Education 121	2
Physical Ed. 010-118	1	History 132	3
Humanities	3	French/Spanish 132	3
History 131	3	Humanities	3
French/Spanish 131	3	Biology 142	4
Health Education 221	<u>2</u>	Physical Education 010-118	<u>1</u>
	15		16

Junior Year

Health Education 327	2	Health Education 232	3
Health Education 223	2	Sociology 224	2
Health Education 225	2	Health Education 222	2
Health Education 231	3	Health Education 226	2
Biology 240	4	Physical Education 332	3
Health Education 325	2	MKT 331/MGT 334/PUR 331	<u>3</u>
Health Education 321	<u>2</u>		15
	17		

Senior Year

Health Education 420	2	Physical Education 432	3
Health Education 433	3	Health Education 434	3
Health Education 430	3	Electives	<u>6</u>
Electives	<u>4</u>		12
	12		

CURRICULUM FOR A PHYSICAL EDUCATION:
EMPHASIS IN SPORTS MANAGEMENT

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Freshman Studies	12	Freshman Studies	12
Orientation 111	1	Orientation 112	1
Math (3)	<u>3</u>	Math 132	<u>3</u>
	16		16

Sophomore Year

English 231/232	3	Speech 131	3
Health Education 121	2	History 132	3
Humanities	3	French/Spanish 132	3
History 131	3	Humanities	3
French/Spanish 131	3	Biology 142	4
Physical Ed. 010-118	1	Physical Education 010-118	<u>1</u>
Physical Education 229	<u>1</u>		17
	17		

Junior Year

Health Education 223	2	Physical Education 332	3
Physical Education 322	2	Physical Education 324	2
Physical Education 224	2	Required Electives	9
Physical Education 325	2	Electives	<u>3</u>
Physical Education 331	3		15
Electives	<u>4</u>		
	15		

Senior Year

Physical Education 420	2	Physical Education 433	3
Physical Education 430	3	Physical Education 432	3
Required Electives	9	Electives	<u>10</u>
Electives	<u>1</u>		16
	15		

CURRICULUM FOR A PHYSICAL EDUCATION MAJOR:
EMPHASIS IN TEACHER EDUCATION

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Freshman Studies	12	Freshman Studies	12
Orientation 111	1	Orientation 112	1
Math (3)	3	Math (3)	3
Physical Ed. 010-118	<u>1</u>	Physical Ed. 010-118	<u>1</u>
	17		17

Sophomore Year

English 231/232	3	History 132	3
History 131	3	Humanities (3)	3
Humanities (3)	3	French/Spanish 132	3
Physical Education 221	2	Biology 142	4
Health Education 121	2	Physical Education 222	2
French/Spanish 131	3	Speech 131	<u>3</u>
Education 220	<u>2</u>		18
	18		

Junior Year

Psychology 235/237	3	Education 296	3
Biology 240	4	Psychology 239	3
Health Education 223	2	Physical Education 223	2
Physical Education 322	2	Physical Education 321	2
Physical Education 224	2	Physical Education 324	2
Physical Education 331	<u>3</u>	Physical Education 327	2
	16	Physical Education 332	<u>3</u>
			17

Senior Year

Education 330	3	Physical Education 430	3
Education 394/395	3	Physical Education 433	3
Physical Education 323	2	Physical Education 434	3
Physical Education 325	2	Physical Education 432	3
Physical Education 420	2	Physical Education 431	3
Health Education 333	3	Speech 131	<u>3</u>
Education 311/312	<u>1</u>		18
	16		

*Student Teaching

Education 491/492	12
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**A four year program, if summer school is attended.*

DEPARTMENT OF PSYCHOLOGY

Consistent with the spirit of the University's statement of purpose, the Psychology Department seeks to provide students with those conditions which are most likely to foster each individual's overall growth and development. Emphasis is placed not only on the mastery of subject matter, but perhaps more important, on the mastery of the skills involved in learning *how to learn* with particular focus on the scientific method.

In addition, a conscientious effort is made to assist each student achieve greater self-awareness and to become more accepting of herself/himself. An accurate assessment of individual strengths and weaknesses is encouraged, so that this information can be utilized in seeking self-improvement activities and in career development planning.

More specifically, the department's curriculum is designed to:

- a. prepare students anticipating immediate entrance into the job market upon graduation, with marketable skills;
- b. equip majors and minors with a solid general background in psychology which will allow them to compete successfully for and to complete graduate studies in the field;
- c. equip majors and minors with those relevant subject matter skills which will prepare them for graduate level work in other related disciplines.

A major in psychology consists of thirty-three (33) credit hours which, in addition to Psychology 131, must include Psychology 132, 233, 333, 430, and two of the following "cafeteria" courses: Psychology 234, 330, 332, 338, 339 and 435. The remaining credits will consist of free electives from the psychology curriculum.

A minimum grade of C must be earned in all courses that count toward the major.

A minor in psychology consists of eighteen (18) credit hours which, in addition to Psychology 131, must include Psychology 132 and two of the following courses: Psychology 233, 330, 332, 333 (corequisite 233), 338 and 435. Electives make up the remaining credits.

An additional requirement for majors is completion of one of the following:

- a. a second year of a selected foreign language (a general education requirement mandates the first year)

or

- b. Computer Science 131 and 132

or

- c. Psychology 234 and 334.

The student may choose to pursue either of these three options.

- PSYCHOLOGY 131 General Psychology I** **Three credit hours**
 A course designed to provide an understanding of behavior through the study of growth and development, motivation, emotion, learning, personality, intelligence, and other related topics. FALL and SPRING SEMESTERS.
- PSYCHOLOGY 132 General Psychology II** **Three credit hours**
 A more intensive and rigorous treatment of selected topics within general psychology. Special emphasis on experimental procedures, laboratory demonstrations and participation. Prerequisite: Psychology 131. SPRING SEMESTER.
- PSYCHOLOGY 230 Psychology of the Exceptional** **Three credit hours**
 An examination of psychological approaches to understanding a variety of handicapping and facilitating deviations from the usual. Emphasis on applications to educational settings. (Same as Education 296.) SPRING SEMESTER.
- PSYCHOLOGY 233 Statistics for the Social and Behavioral Sciences** **Three credit hours**
 The application of descriptive and inferential statistics to data in the social and behavioral sciences. Emphasis on data classification, data reduction, the normal distribution, z scores, probability, hypothesis testing, z test, t test, statistical power. Prerequisite: Six credits in Mathematics. (Co-listed as Sociology 233, Social Science 233.) Previous title: Psychological Statistics. FALL SEMESTER.
- PSYCHOLOGY 234 Experimental Designs** **Three credit hours**
 Presentation of statistics used in the analysis of factorial experimental designs involving multiple independent variables. Emphasis is placed on the analysis of variance. Computerized analysis using a major comprehensive statistics package is covered as well as paper and pencil calculations. Prerequisite: Psychology 233 or its equivalent. SPRING SEMESTER.
- PSYCHOLOGY 235 Psychology of Childhood** **Three credit hours**
 A study of the development of children from conception to adolescence. The biological factors and social forces that affect the growing child are dealt with, as are cognitive and moral development, learning, maturation and family relationships. Prerequisite: Psychology 131. FALL and/or SPRING SEMESTERS.
- PSYCHOLOGY 237 Psychology of Adolescence** **Three credit hours**
 The psychology of behavior arising from the problems peculiar to the transitional period between childhood and maturity. Prerequisite: Psychology 131. FALL and/or SPRING SEMESTERS.
- PSYCHOLOGY 239 Educational Psychology** **Three credit hours**
 A study of the theories of education and the principles of classroom learning. Concepts dealing with the acquisition of knowledge and interpersonal social relations are emphasized. The practical application of these principles are incorporated. Prerequisite: Psychology 131. FALL and/or SPRING SEMESTERS.
- PSYCHOLOGY 330 The Psychology of Learning** **Three credit hours**
 A study of the facts and theories of human and animal learning. Prerequisite: Psychology 131. SPRING SEMESTER.
- PSYCHOLOGY 332 The Psychology of Perception** **Three credit hours**
 A study of the basic phenomena of perception as determined by conditions in the external situation and within the perceiver. Prerequisite: Psychology 131. FALL SEMESTER.

- PSYCHOLOGY 333 Experimental Psychology I** **Three credit hours**
 An introduction to the theory, methods, and techniques of experimental psychology with an emphasis on developing hypotheses, operational definitions, and predictions, developing methods of testing predictions, and interpretation of expected results. Each student designs an original research proposal on a topic of his or her choice that may be conducted in PSY 334. 2 hours lecture and 2 hours laboratory. Prerequisite: Psychology 131. Corequisite: Psychology 233 or its equivalent. FALL SEMESTER.
- PSYCHOLOGY 334 Experimental Psychology II** **Three credit hours**
 Theory, methods, and techniques of experimental psychology as employed by specific subdisciplines within the field including laboratory, field, and quasi-experimental procedures. Each student will conduct original research in a chosen area resulting in a publication-quality paper. Computer simulations are used to teach procedures in other areas. 2 hours lecture, 2 hours laboratory. Prerequisite: Psychology 333 or permission of the instructor. SPRING SEMESTER.
- PSYCHOLOGY 335, 325, 315 Selected Topics in Psychology**
One (315), two (325), or three (335) credit hours
 Exploration of special psychological topics. May be repeated. Prerequisites: Fifteen (15) hours in psychology or permission of the instructor. ON OCCASION.
- PSYCHOLOGY 338 Personality Theory** **Three credit hours**
 An introduction to some of the major theories of personality and their implications for daily living. The contents and functions of personality theories are explored. Prerequisite: Psychology 131. FALL SEMESTER.
- PSYCHOLOGY 336 Consumer Behavior** **Three credit hours**
 A study of human behavior as it relates to the consumption of goods and the use and acceptance of service. The early history, growth, and recent trends in consumer psychology will be incorporated into coverage of the characteristics of consumers and consumer decision making. Occupations which apply psychological concepts to the study of consumer behavior will be explored. (Same as PUR 336). SPRING SEMESTER.
- PSYCHOLOGY 337 Industrial/Organizational Psychology** **Three credit hours**
 An examination of knowledges and skills designed to deal with problems of people at work. Topics include processes of communication, personnel selection and placement, training, motivation, evaluation, conflict reduction, performance enhancement, and job satisfaction. FALL SEMESTER.
- PSYCHOLOGY 339 Principles of Psychological Measurement** **Three credit hours**
 An introduction to psychological testing which includes an exploration of the functions and origins of the area. Basic characteristics of assessment techniques such as the establishment of reliability and validity are studied. Students are introduced to some of the major psychological tests available today. Laboratory experience in test administration and interpretation is provided. Prerequisite: Psychology 131. SPRING SEMESTER.
- PSYCHOLOGY 430 Senior Seminar in Psychology** **Three credit hours**
 A collaborative group experience supplemented by individual sessions with faculty and independent effort, designed to aid each senior in the successful writing of a senior investigative paper. Required of all first-semester seniors who have declared psychology as a major. FALL AND SPRING.

PSYCHOLOGY 431 Social Psychology **Three credit hours**
Problems, concepts, and methods in the study of social interaction and interpersonal influence. (Same as Sociology 431.) Prerequisite: Psychology 131. **SPRING SEMESTER.**

PSYCHOLOGY 432 Abnormal Psychology **Three credit hours**
A study of the basic facts and theories of abnormal behavior from the psychologist's point of view. Provision is made for discussion of current and critical issues of mental disturbance. Prerequisite: Psychology 131. **FALL SEMESTER.**

PSYCHOLOGY 434 Introduction to Clinical Psychology **Three credit hours**
A study of the historical development of clinical psychology and an exploration of the theories of personality and behavior, the techniques and problems of diagnosis and personality assessment, the research role of the clinical psychologist, the diversity of psychotherapeutic approaches, community psychology and mental health, and professional issues related to the training and practice of clinical psychologists. Prerequisite: Psychology 131. **SPRING SEMESTER.**

PSYCHOLOGY 435 Theoretical Psychology **Three credit hours**
A comprehensive review of the development of the field of psychology and the systems and theories of psychology that have evolved out of their historical roots. Contemporary trends in each area of the discipline are explored. Prerequisite: Psychology 131. **FALL SEMESTER.**

PSYCHOLOGY 436, 426, 416 Independent Research in Psychology
One (416), two (426), or three (436) credit hours
Independent investigation of topics of special interest. Prerequisites: junior classification, six hours in psychology, approval of faculty supervisor. May be repeated. **FALL and SPRING SEMESTERS.**

PSYCHOLOGY 460 Internship in Psychology **Six credit hours**
An opportunity for students, under supervision, to participate in such professional psychological activities as testing, counseling, job placement, group therapy, and research. NOTE: Each student will be responsible for 160 to 200 hours of work in a selected community agency and for participation in periodic seminars. **FALL and/or SPRING SEMESTERS.**

CURRICULUM FOR PSYCHOLOGY MAJORS

Freshman Year

	Credit		Credit
Fall Semester	Hours	Spring Semester	Hours
Rhetoric 191	3	Rhetoric 192	3
Humanities 131	3	Humanities 131	3
Social Science 131	3	Social Science 131	3
Natural Science 131	3	Natural Science 131	3
Math Requirement	3 or 4	Math Requirement	3 or 4
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16 or 17		16 or 17

Sophomore Year

English 231 or 232	3	Humanities Requirement	3
Foreign Language 131	3	Foreign Language 132	3
Psychology 131	3	Psychology 132	3
Psychology 233	3	Psychology Elective	3
Computer Science 131	3	Computer Science 132	3
Physical Education Activity	<u>1</u>	Physical Education Activity	<u>1</u>
	16		16

Junior Year

Psychology 333	3	Psy "Cafeteria" Requirement	3
Psy "Cafeteria" Requirement	3	Psychology Elective	3
History 131	3	History 132	3
Health 121	2	Speech 131	3
Humanities Requirement	3	General Elective(s)	<u>3</u>
General Elective(s)	<u>3</u>		15
	17		

Senior Year

Psychology 430	3	Psychology Elective	3
Psychology Electives	3	General Electives	<u>12</u>
General Electives	<u>9</u>		15
	15		

DIVISION IV: MATHEMATICS AND SCIENCES

The Departments of Biology, Chemistry and Physics, and Mathematics and Computer Science constitute the Division of Science and Mathematics. Students may elect a major in biology, chemistry, computer science, mathematics or physics-mathematics. In addition, a general science major may be elected. All departments also provide for a minor although there is no requirement for a student to officially declare such.

Various pre-professional programs also come under the cognizance of this division. Both formal and informal arrangements with other institutions allow us to provide such opportunities as pre-medical, pre-dental, pre-pharmacy, or pre-engineering. Descriptions of these opportunities follow the major departmental offerings.

GENERAL SCIENCE MAJOR

A general science major consists initially of the basic courses in the four science areas (Biology 143-144, Chemistry 141-142, Physics 241-242 and six credits of Computer Science) plus a minimum of 6 credits of Mathematics beginning with 137 or above). In addition to these basic requirements, 12 credit hours in courses above these basic levels in one of the four sciences are required, plus 3 credit hours above these basic courses in another of the four sciences. Courses such as seminar and research are excluded from the fifteen hours required above the minimum.

DEPARTMENT OF BIOLOGY

The Department of Biology provides resources for the development of an understanding of life through a comprehensive and penetrating study of concepts, methodology, and philosophy of biology. The department provides an environment in which the broad themes of biology are discussed and their relevance to other disciplines may be appreciated. In addition, the department provides the opportunity for students to become prepared for graduate work, research, and training for professional service in medicine, dentistry, medical technology, other health science fields, and related areas.

A major in biology requires a minimum of thirty-two credit hours in biology; these thirty-two hours must include Biology 142, 411, and 412. The other twenty-six credit hours must include at least one course from each of three groups. Group I consists of Biology 241, 331, 333, 334, 340, 444; group II consists of Biology 243, 244, 342, 343, 345, 440, 442; group III consists of Biology 242 and 335. Biology 140, and 240 are for non-majors and may not be used to satisfy requirements for the major. A minimum grade of C is required in all of the courses listed above.

The biology major also requires thirty credit hours in related science and mathematics courses; these courses are Chemistry 141, 142, 341, and 342, Mathematics 137, 138, and Physics 241, 242. It is strongly recommended that majors complete Mathematics 438. In all supporting courses listed above, a minimum grade of "C" is required.

A minor in biology requires eighteen credit hours of biology courses which include eight credit hours in courses above the 100-level.

BIOLOGY 140 Introductory Biology **Four credit hours**

A study of the plant and animal kingdom. A general treatment of the structure, function, and continuity of living organisms. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 142 Concepts of Modern Biology **Four credit hours**

A study of the major concepts which form the basis of modern biology. These include evolution, taxonomy, cell theory, development and differentiation, Mendelian genetics, molecular genetics, and ecology. The course will provide a survey of these areas with an emphasis on the historical development of each area, their practical role in biology today and how they integrate among themselves and with the other natural sciences to create a functional, understandable biosphere. This course is intended for biology and other science majors and serves as a prerequisite for all biology courses. lectures: three hours a week. Laboratory: three hours a week.

BIOLOGY 146 Molecular Biology **Four credit hours**

A study of the physical and chemical aspects of cellular activity. Fulfills requirements for the physical education major. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 240 Human Anatomy and Physiology **Four credit hours**

A study of the basic structure and functions of man, both descriptive and experimental. Prerequisite: Biology 142 or equivalent. Fulfills requirements for the physical education major. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 241 Cell Biology **Four credit hours**

A detailed study of the structure, organization, physiological activities, and evolution of plant and animal cells. Prerequisites: Biology 142. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 242 Ecology **Four credit hours**

Relationships between organisms and their environment. Emphasis on the climatic, edaphic, physiographic, and biotic principles involved. Prerequisites: Biology 142. Lectures: two hours a week. Laboratory: four hours a week. Several field trips to be included.

BIOLOGY 243 General Zoology **Four credit hours**

A study of the structures, function, environmental relationship, origin, and development of animals. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 244 General Botany

A study of the morphology, physiology, heredity, and evolution of plants, including a survey of the plant kingdom. Emphasis on life cycles. Lectures: two hours a week. Laboratory: four hours a week.

- BIOLOGY 312 Scientific Writing** **One credit hour**
 Resource materials in the biological sciences will be reviewed and discussed with emphasis on the technicalities of scientific writing. Each student will select a Senior Paper topic or project and produce a prospectus. The student must choose a Senior Paper advisor.
- BIOLOGY 313-314 (Same as Chemistry 313-314)** **One credit hour**
- BIOLOGY 331 Laboratory Techniques** **Three credit hours**
 An interdisciplinary course in laboratory methods which will include chromatography, electrophoresis, spectrophotometry, and electroanalytic methods. Designed for students interested in medicine, dentistry, or allied health professions. Prerequisites: Biology 142 and Chemistry 141-142. Corequisite: Physics 241. Lecture: one hour a week. Laboratory: four hours a week.
- BIOLOGY 333 (Same as Chemistry 333)** **Three credit hours**
- BIOLOGY 334 (Same as Chemistry 334)** **Three credit hours**
- BIOLOGY 335 Theories and Mechanisms of Evolution** **Three credit hours, lecture discussion**
 A survey of historical and modern theories of evolution ranging from the ideas of the Greeks through Darwin to modern theories and studies. Literature of original authors is read, and discussed and criticized. Authors include Aristotle, Buffon, Agassiz, Lamarch, Darwin, Wallace, Mayr, Dobzhansky, Wilson, Gould, and others. *The Voyage of the Beagle* and *Origin of Species* are studied to note Darwin's methods of study and his reasoning in arriving at the Theory of Natural Selection. Recent papers concerning evolutionary theory are studied and discussed. Prerequisites: Biology 142 or permission of the instructor.
- BIOLOGY 340 Genetics** **Four credit hours**
 The transfer of hereditary characteristics studied at the molecular, organismic, and species levels. Prerequisites: Biology 142, 241. Mathematics 438 recommended. Lectures: three hours a week. Laboratory: three hours a week.
- BIOLOGY 342 Microbiology** **Four credit hours**
 An introduction to the study of microorganisms. Special emphasis on their relationship to man. Prerequisites: Biology 142. Chemistry recommended. Lectures: two hours a week. Laboratory: four hours a week.
- BIOLOGY 343 Histology** **Four credit hours**
 Instruction in the technique of preparing tissues for microscopic observation. The examination and detailed study of various tissues. Prerequisites: Biology 142. Lectures: three hours a week. Laboratory: three hours a week.
- BIOLOGY 345 Embryology** **Four credit hours**
 A study of the development process in animals. Special reference to the frog, chick, pig, and man. Prerequisites: Biology 142. Biology 442 recommended. Lectures: three hours a week. Laboratory: three hours a week.
- BIOLOGY 411-412 Seminar** **One credit hour**
 Independent work on recent findings of some aspect of biology. Prerequisite: must be a senior or have approval of the seminar coordinator.

BIOLOGY 430 Research Problems in Biology Three credit hours

Independent or team work in laboratory investigation of some aspect of biology. Progress reports, discussions, and presentation of results. Work permitted to extend over several semesters. May be repeated for credit upon approval of the Department Chair. Prerequisite: approval of the research director.

BIOLOGY 431 Research for Senior Paper Three credit hours

Independent investigation into the selected topic of the Senior Paper. Prerequisite: Biology 312.

BIOLOGY 440 Integrated Physiology Four credit hours

An analysis of processes by which vertebrates and invertebrates maintain, regulate, and perpetuate their structural and functional integrity. Prerequisites: Biology 142, Chemistry 141-142 and Chemistry 341. Biology 442 recommended. Lectures: three hours a week. Laboratory: three hours a week.

BIOLOGY 442 Comparative Anatomy Four credit hours

A general study of various vertebrate types, including mammals. A detailed laboratory study of the gross anatomy of a specimen of fish, amphibian, and mammal. Prerequisites: Biology 142. Lectures: three hours a week. Laboratory: three hours a week.

BIOLOGY 444 Pathobiology Four credit hours

The fundamentals of disease, emphasis on mechanism of cellular injury, inflammation, immunological injury, host-parasite relationship, and the genetic basis of disease. Prerequisites: Biology 142, and 342. Lectures: three hours a week. Laboratory: two hours a week.

CURRICULUM FOR BIOLOGY MAJORS

(Bachelor of Science Degree)

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Mathematics 137	3	Mathematics 138	3
Rhetoric 191	3	Rhetoric 192	3
Natural Science 131	3	Natural Science 132	3
Humanities 131	3	Humanities 132	3
Social Science 131	3	Social Science 132	3
Orientation 111	<u>1</u>	Orientation 112	<u>1</u>
	16		16

Sophomore Year

Chemistry 141	4	Chemistry 142	4
Biology 142	4	Biology 241	4
English 231	3	Art 231	3
Elective	3	Biology 242	4
Foreign Language	<u>3</u>	Foreign Language	<u>3</u>
	17		18

Junior Year

Biology 243/244	4	Biology 312/342	1/4
Chemistry 341	4	Chemistry 342	4
Physics 241 or 243	4	Physics 242 or 244	4
Music 131	3	Philosophy 131/Religion 130	3
History 131	<u>3</u>	History 132	<u>3</u>
	17		15/18

Senior Year

Biology 335/345	3-4	Biology 340/442	4
Biology 411	1	Biology 412	1
Biology 331/343	4	HLT 121	2
Biology 431	3	Physical Education Activity	1
Speech 131	3	Elective	3
P.E. Activity	<u>1</u>	Elective	<u>3</u>
	15-16		14

125-137 Credits shown

Biology	33 hrs*
Chemistry	16 hrs
Math	6 hrs
Physics	8 hrs

*32 hrs. of Biology required for graduation. Student may opt to take additional hours in Biology.
6 hrs. of Computer Science is highly recommended.
Mathematics and English courses in the freshman year: dependent upon placement results.

DEPARTMENT OF CHEMISTRY AND PHYSICS

The Department of Chemistry and Physics offers two majors: one in Chemistry and one in Physics-Mathematics in conjunction with the Department of Mathematics and Computer Science.

CHEMISTRY

The courses in Chemistry are designed to enable students to acquire a general knowledge of chemistry, to give a basic foundation to those students who plan to enter health related professions, and to work in industry or pursue advanced work in chemistry. The course work is supported by modern instrumentation including gas and liquid chromatographs, polarimeters, and NMR, UV, IR and other spectrophotometers. Computer simulations, instruction and tutorial programs are also used in several courses. Special research and academic enrichment programs are available to chemistry majors who qualify.

The major in chemistry requires a minimum of thirty-four credit hours consisting of Chemistry 141-142, 241-242, 341-342, 411-412, 431-432 and 420 or 422. In addition to these Chemistry courses, Physics 241-242 or 243-244, six (6) credits of Computer Science, and Mathematics 241-242 or higher mathematics courses are also required. In all of the above specified courses a minimum grade of "C" is required

for graduation. A minor in chemistry requires a minimum of eighteen credit hours of chemistry courses which must begin with Chemistry 141-142. The above Physics listings are also required for the minor.

CHEMISTRY 141 General Chemistry **Four credit hours**

A discussion of the fundamental principles of chemistry in relation to the physical and chemical properties of the metallic and nonmetallic elements and their compounds. Placement into a mathematics course at or above the 137 level is required. Three lectures and four hours of laboratory a week.

CHEMISTRY 142 General Chemistry **Four credit hours**

A continuation of Chemistry 141. Prerequisite: Chemistry 141. Three lectures and four hours of laboratory a week.

CHEMISTRY 241 Analytical Chemistry **Four credit hours**

The theory and practice of analytical measurements as applied to volumetric and gravimetric determinations. Prerequisite: Chemistry 142. Three lectures and four hours of laboratory a week.

CHEMISTRY 242 Instrumental Analysis **Four credit hours**

A discussion of the theoretical principles and applications of modern chemical instrumentation including spectroscopic, chromatographic and electrochemical techniques. Appropriate experiments to complement the discussion. Prerequisite: Chemistry 241 or consent of department. Three lectures and four hours of laboratory a week.

CHEMISTRY 313-314 Biochemistry Laboratory **One credit hour each**

Courses to accompany Chemistry 333-334. Four hours of laboratory a week.

CHEMISTRY 333 Biochemistry **Three credit hours each**

A study of the biochemical processes and molecular reactions occurring in living systems, including a study of carbohydrates, lipids, proteins, metabolic reactions and accompanying energy considerations. Prerequisites: Chemistry 342 and consent of the department. Lecture three hours a week.

CHEMISTRY 334 Biochemistry **Four credit hours**

A continuation of Chemistry 333. Prerequisites: Chemistry 333 and consent of the department. Lecture three hours a week.

CHEMISTRY 341 Organic Chemistry **Four credit hours**

A study of the fundamental principles of Organic Chemistry as illustrated by reaction mechanisms and their products, functional group reactions and preparations, and syntheses of and within both aliphatic and aromatic systems. Prerequisite: Chemistry 142 with a grade of C or better. Three lectures and four hours of laboratory a week.

CHEMISTRY 342 Organic Chemistry **Four credit hours**

A continuation of Chemistry 341. Prerequisite: Chemistry 341 - a grade of C or better is recommended. Three lectures and four hours of laboratory a week.

CHEMISTRY 411-412 Selected Experiments in Physical Chemistry

One credit hour each

Courses to accompany Chemistry 431-432. Four hours of laboratory a week.

CHEMISTRY 420 Chemistry Seminar **Two credit hours**
 Presentation and discussion of selected topics from the major areas of chemistry. Oral and written reports required. Prerequisite: consent of department. May be repeated for credit.

CHEMISTRY 422 Laboratory Projects in Chemistry **Two credit hours**
 Advanced laboratory investigation designed to allow the student to become more actively involved in chemical research either by participating in faculty designed projects or by pursuing individual interests approved by the staff. Prerequisite: consent of the department. May be repeated for credit.

CHEMISTRY 430 Advanced Organic Chemistry **Three credit hours**
 Topics of interest in theoretical and practical organic chemistry, including mechanisms, reactions and synthetic methods. Heterocyclic chemistry included. Prerequisite: Chemistry 342 with a grade of "C" or better. Lecture three hours a week.

CHEMISTRY 431 Physical Chemistry **Three credit hours**
 The principles of chemistry as applied to the properties and behavior of gases, liquids, solids and solutions. The basic principles of Thermodynamics, Quantum Mechanics, and Kinetics and their applications to chemical and biochemical systems. Prerequisites: Chemistry 241, Mathematics 241 and Physics 242 or 244. Lecture three hours a week.

CHEMISTRY 432 Physical Chemistry **Three credit hours**
 A continuation of Chemistry 431. Prerequisite: Chemistry 431. Lecture three hours a week.

PHYSICAL SCIENCE 141 Physical Science **Four credit hours**
 A study of the physical universe, including physical, chemical, earth and astronomical aspects. A terminal course fulfilling partial general education requirements for non-science majors. Three hours of lecture and two hours of laboratory a week.

EXAMPLE CURRICULUM for CHEMISTRY MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Chemistry 141	4*	Chemistry 142	4*
Mathematics 137	3	Mathematics 138	3
Rhetoric 191	3	Rhetoric 192	3
Inq. in Soc. Sci. 131	3	Inq. in Soc. Sci. 132	3
Inq. in Humanities 131	3	Inq. in Humanities 132	3
Freshman Orientation	<u>1</u>	Freshman Orientation	<u>1</u>
	17		17

Sophomore Year

Chemistry 241	4	Chemistry 242	4
Mathematics 241	4	Mathematics 242	4
English 231	3	English 232	3
Foreign Language 131	3	Foreign Language 131	3
Personal Health 121	2	Speech 131	3
Physical Education Activity	<u>1</u>	Physical Education Activity	<u>1</u>
	17		18

Junior Year

Chemistry 341	4	Chemistry 342	4
Physics 241 or 243	4	Physics 242 or 244	4
History 131	3	History 132	3
Computer Science	3	Computer Science	3
Biology 142	<u>4</u>	Chem Lit. cr 322	<u>2**</u>
	17		16

Senior Year

Chemistry 431	3	Chemistry 432	3
Chemistry 411	1	Chemistry 412	1
Chemistry 420 or 422	2	Chemistry 420	2
Fine Arts	3	Elective	3
Elective	<u>3</u>	Elective	<u>3</u>
	12		12

Recommended Electives:

Calculus III	Advanced Organic Chemistry
Differential Equations	Biochemistry
Computer Science Courses	Seminar

* Assuming NSC 131 and 132 are exempted

** Not yet approved

PHYSICS

The courses in the physics-mathematics major are designed to train those who plan to do graduate work in physics, to pursue a health profession, and to enter industry. Additionally, these courses are designed to provide a general knowledge in the modern fields of descriptive and quantitative experimental physics.

A major in physics-mathematics consists of a minimum of twenty-three credit hours of Physics and twenty-one credit hours of Mathematics. The physics requirements include 243, 244, 330 or 344, 331, 332, 431, and 432. The mathematics requirements include 241, 242, 333 or 334, 336, 341 and 434. In addition to the required courses in Physics and Mathematics, Chemistry 141 and 142 are also required. Courses in Computer Science are strongly recommended. In all of the above listed courses a minimum grade of C is required.

PHYSICS 241 General Physics**Four credit hours**

Fundamental principles of physics in relation to classical mechanics, thermodynamics, vibrations and wave motions. Prerequisite: Mathematics 137. Three lectures and four hours of laboratory a week.

PHYSICS 242 General Physics**Four credit hours**

A continuation of physics 241. Fundamental principles of physics in relation to electricity, magnetism, light, optics and modern physics. Prerequisite: Physics 241. Three lectures and four hours of laboratory a week.

PHYSICS 243 Mechanics**Four credit hours**

A study of vectors; statics, and dynamics of particles; momentum, work, and energy; conservation laws; mechanics of rigid bodies. Prerequisite: Mathematics 241. Three lectures and four hours of laboratory a week.

PHYSICS 244 Electrodynamics**Four credit hours**

Electricity and magnetism. Topics treated in detailed manner. Prerequisite: Physics 243. Three lectures and four hours of laboratory a week.

PHYSICS 330 Laboratory Electronics**Three credit hours**

An introduction to basic principles of electronics, operation of electronic measuring devices, and construction of devices for electrical and electronic measurements. Prerequisite: Consent of department. One lecture and four hours of laboratory a week.

PHYSICS 331 Introduction to Modern Physics I**Three credit hours**

A study of waves in elastic media; sound; light; reflection, refraction, interference and diffraction; lenses and mirrors; quantum physics; nuclear reactions; atomic structure and the wave nature of matter. Prerequisite: Physics 244. Lecture three hours a week.

PHYSICS 332 Introduction to Modern Physics II**Three credit hours**

Radioactivity, disintegration of nuclei, fission and fusion, nuclear processes, fundamental particles and accelerators. Prerequisite: Physics 331. Lecture three hours a week.

PHYSICS 344 Waves and Optics**Four credit hours**

A study of waves, acoustics and optics. Prerequisite: Physics 243. Three lectures and four hours of laboratory a week.

PHYSICS 345 Biophysics**Four credit hours**

Sound and the ear, light and the eye, microscopy, the physics of muscular contraction, electrocardiography and radiation physics. Biophysical techniques utilizing wave phenomena, nuclear phenomena, and mechanical and electrical phenomena. Prerequisite: Physics 241-242 and Biology 143. Three lectures and four hours of laboratory a week.

PHYSICS 412 Physics Seminar**One credit hour**

Prerequisite: Consent of the department.

PHYSICS 431 Advanced Mechanics**Three credit hours**

Kinematics, moving coordinate systems, motion of rigid body, central force problem, oscillations and coupled oscillators, Lagrange's and Hamilton's equations, generalized coordinates. Prerequisites: Physics 243 and Mathematics 341. Lecture three hours a week.

PHYSICS 432 Advanced Electrodynamics**Three credit hours**

Electromagnetic field theory, Maxwell's equation, electromagnetic radiations and relativistic effects. Prerequisites: Physics 244 and Mathematics 341. Lecture three hours a week.

EXAMPLE CURRICULUM FOR PHYSICS-MATHEMATICS
MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Chemistry 141	4*	Chemistry 142	4*
Mathematics 241	4	Mathematics 242	4
Rhetoric 191	3	Rhetoric 192	3
Inq. in Soc. Sci. 131	3	Inq. in Soc. Sci. 132	3
Inq. in Humanities 131	3	Inq. in Humanities 132	3
Freshman Orientation	<u>1</u>	Freshman Orientation	<u>1</u>
	18		18

Sophomore Year

Physics 243	4	Physics 244	4
Mathematics 341	4	Mathematics 434	3
English 231	3	Fine Arts	3
Computer Science	3	Computer Science	3
Foreign Language 131	3	Foreign Language 132	3
Physical Education Activity	<u>1</u>	Physical Education Activity	<u>1</u>
	18		18

Junior Year

Physics 330	3	Physics 344	4
Physics 331	3	Physics 332	3
History 131	3	History 132	3
Biology 142	4	Mathematics 336	3
Mathematics 333	<u>3</u>	Elective	<u>3</u>
	16		16

Senior Year

Physics 431	3	Physics 432	3
Math 415	1	Math 416	1
Elective	3	Elective	3
Elective	3	Elective	3
Elective	<u>3</u>	Elective	<u>3</u>
	13		13

Recommended Electives:
Computer Science Courses
Biophysics
Math 431

Seminar
Math 430
Math 432

* Assuming NSC 131 and 132 are exempted
** Not yet approved

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

This department provides programs to prepare students for graduate and professional studies, and careers in industry and government. Also, the mathematics program provides a major track to prepare students to teach at the junior and senior high school levels.

MATHEMATICS

Majors in mathematics must take a set of core courses plus the courses in one of four major tracks. The core courses (required for all mathematics majors) are: Mathematics 241, 242, 333, 335, 336, 341, 415, 416, 427, and 428, and Physics 243 and 244 and three hours of computer science. A minimum of 53 semester hours is required for the mathematics major. Additional courses for the major must be selected from one of the following tracks:

- Track 1: Graduate Study. Mathematics 430 or 431, 434, and 439.
- Track 2: Teaching. Mathematics 330, 420, 426; Education 220, 296, 312, 330, 395, and 492; Psychology 237 and 239.
- Track 3: Computer Science. Mathematics 434; Computer Science 231, 232, 330, 336, 341 or 342, and 432.
- Track 4: Business Administration. Mathematics 334, 431, 434; Economics 231; Accounting 235, 236 and an additional six credit hours in one business administration concentration area or in economics.

A minimum grade of C must be earned in any course which counts toward the major.

Prospective mathematics majors who do not have a sound and workable background in algebra and trigonometry may be required to take Mathematics 137 and Mathematics 138 as prerequisite courses.

Mathematics majors who select Track II: Teaching should note that this program requires nine semesters. However, it can be completed in eight regular semesters and two summer sessions. A minimum of 53 semester hours is required for the mathematics majors. Additional courses for the major must be selected from one of the following tracks:

Each mathematics major is required to develop a Senior Investigative Paper. Formal development of the Senior Investigative Paper begins when the major has obtained senior standing, completed core 200 and 300 level courses in the major, and the general studies courses in rhetoric and speech.

A minor in mathematics consists of at least eighteen credit hours of mathematics courses and must include Mathematics 241, 242, 333, and 336.

MATHEMATICS PLACEMENT

Students entering the University without college mathematics credit will normally enroll in Mathematics 131 unless advanced placement is granted. An advanced placement test is given each semester prior to registration. The performance on this test may allow the student to enroll in Mathematics 132 or a higher course. Students planning to major in chemistry, computer science, mathematics, physics-mathematics, or pre-engineering should take the advanced placement test.

MATHEMATICS 130 Fundamental Arithmetic and Algebra **Three credit hours**
Review of arithmetic, geometry, and beginning algebra. This course does NOT provide credit toward graduation.

MATHEMATICS 131 Basic Mathematics I **Three credit hours**
Algebra. Properties of real numbers, algebraic expressions, exponents, factoring, linear and quadratic equations, radicals, inequalities, systems of equations, and applications.

MATHEMATICS 132 Basic Mathematics II **Three credit hours**
Finite mathematics. Sets, logic and counting techniques. Discrete probability, statistics, and matrices. Selected topics from number theory. Prerequisite: Mathematics 131 or by placement.

MATHEMATICS 136 Introductory Statistics **Three credit hours**
Descriptive and inferential statistics. Frequency distributions, population and samples, measures of central tendencies and variation. Probability, normal, t, and chi distributions. Hypothesis testing, estimations and confidence intervals. Linear regression. Prerequisite: Mathematics 131 or by placement.

MATHEMATICS 137 Precalculus I **Three credit hours**
Properties of real numbers, algebraic expressions, factoring, polynomials and rational fractions. Exponents and radicals, linear and quadratic equations, inequalities, progressions. The binomial theorem, polynomials and partial fractions. Matrices, determinant, and linear systems of equations. Exponential, and inverse functions. Prerequisite: Mathematics 131 or by placement. (Formerly Mathematics 143.)

MATHEMATICS 138 Precalculus II **Three credit hours**
Exponential and logarithmic functions. Inverse relations and functions. Trigonometric functions and identities. Translation and rotation of axis. Conic sections. Complex numbers. Polynomials, combinatorics and mathematical induction. Prerequisite: Mathematics 137 or by placement. (Formerly mathematics 144)

MATHEMATICS 191 Honors Mathematics **Three credit hours**
Sets, statements, relations and functions. Deductive logic, discrete number systems, polynomial algebra, graphs and combinatorics. Prerequisite: Mathematics 131 or by placement.

MATHEMATICS 210 Statistical Laboratory **One credit hour**
Computer supported laboratory for courses in probability or statistics. Corequisite: Mathematics 136, 333 or consent of department.

- MATHEMATICS 235 Introductory Calculus I** **Three credit hours**
 Functions and graphs, concepts of limit and continuity. Derivative of polynomials and algebraic functions. Maxima and minima, and rate of change. Antidifferentiation. Derivative of exponential and logarithmic function. The definite integral and techniques of integration. Applications of calculus in the social and behavioral sciences. Prerequisite: Mathematics 137 or by placement. (Formerly Mathematics 145.)
- MATHEMATICS 236 Introductory Calculus II** **Three credit hours**
 Functions of two real variables. Partial derivatives maxima, minima and saddle points. Multiple integration. Infinite sequences and series. Discrete functions, difference equations, relations, graphs and trees. Counting techniques and discrete probability. Prerequisite: Mathematics 235.
- MATHEMATICS 241-242 Calculus I and II** **Four credit hours**
 Plane analytic geometry, differentiation, and integration and applications. Prerequisite: Mathematics 138 or 235 or by placement.
- MATHEMATICS 330 Modern Geometry** **Three credit hours**
 Logical structure and use of Euclidean geometry. The relationship of Euclidean geometry to other geometries. Prerequisite: Mathematics 241 or consent of department.
- MATHEMATICS 333-334 Probability and Statistics** **Three credit hours**
 Elements of probability theory, mathematical statistics and applications. Prerequisite: Mathematics 242 for Part I and Mathematics 341 for part II.
- MATHEMATICS 335 Introductory Abstract Algebra** **Three credit hours**
 Elementary set theory and logic. Mappings, groups, rings, integral domains, fields, and polynomials. Prerequisite: Mathematics 241 or consent of department.
- MATHEMATICS 336 Introductory Linear Algebra** **Three credit hours**
 Systems of linear equations, vector spaces, linear transformations, theory and applications of matrices and determinants. Prerequisite: Mathematics 241 or consent of department.
- MATHEMATICS 337 Mathematics for Elementary School Teachers** **Three credit hours**
 Sets, properties of whole numbers, fractions and integers. Metric system, geometric shapes, and measurements. Arithmetic algorithms. Prerequisite: Mathematics 132.
- MATHEMATICS 338 Mathematics for Early Childhood-Intermediate School Teachers II** **Three credit hours**
 Real numbers with emphasis on their properties, logic, relations and functions. Concepts of measure and the metric system. Intuitive geometry. Algorithms and innovative methods of teaching mathematics to students with a wide range of abilities. Prerequisite: Mathematics 337.
- MATHEMATICS 341 Calculus III** **Four credit hours**
 Three-dimensional analytic geometry, vector analysis, parametric equations, partial differentiation, multiple integration, and line integrals. Infinite sequences and series and power series. Prerequisite: Mathematics 242.

MATHEMATICS 420 Materials and Methods in High School Mathematics**Two credit hours**

Modern methods and materials for teaching mathematics to high school students period Prerequisite: Mathematics 242, and 335 or 336.

MATHEMATICS 427-428 History and Foundations of Mathematics**Two credit hours each**

History of mathematics up to 1600 through creative problem solving. Set theory in the development of modern analysis algebra and geometry. Pioneers of mathematics beginning with Descartes. Prerequisite: Mathematics 242.

MATHEMATICS 430 Topics in Analysis**Three credit hours**

Euclidean spaces and metrics, concepts of compactness and connectedness. Continuous functions, uniform continuity, infinite sequences and series. Uniform convergence. Prerequisite: Mathematics 341 and 335.

MATHEMATICS 431-432 Advanced Calculus**Three credit hours each**

Functions of several variables, partial differentiation, vector analysis, multiple integration, power series. Applications in the physical sciences. Prerequisite: Mathematics 341.

MATHEMATICS 434 Elementary Differential Equations

Elementary techniques of solving ordinary differential equations. Applications in the biological and physical sciences. Prerequisite: 341.

MATHEMATICS 438 Biostatistics**Three credit hours**

Statistical analysis from a biological point of view. Topics include probability distributions, confidence intervals, estimation of population parameters, test of significance, analysis of a variance, correlation and regression. Prerequisite: Mathematics 235 or 241.

MATHEMATICS 439 Topics in Algebra

Topics on semi-groups and groups, rings, integral domains and finite fields. Modules over rings; vector spaces over fields. Prerequisite: Mathematics 335.

Readings in Mathematics

Qualified students in mathematics may take any of the courses listed below as individual independent study units. Under certain conditions, any of these courses may take the form of a regular class.

MATHEMATICS 315, 316 Independent study in Mathematics**One credit hour each**

Elementary mathematics concepts from an advanced view point. Topics will vary with student interests and career objectives. Prerequisite: By consent of Department.

MATHEMATICS 415, 416 Independent Study in Mathematics**One credit hour each**

Indepth study of areas of Mathematics consistent with student interest and career objectives. Written reports will be required. Prerequisite: Advanced standings and consent of department.

MATHEMATICS 422 Topics in Complex Variables**Two credit hours**

Algebra of complex numbers. Elementary functions and conformal representation. Prerequisite: Mathematics 341.

MATHEMATICS 426 Topics in Number Theory **Two credit hours**
Prime numbers and prime factorization, congruences and applications. Divisibility, theorems on integers, and diophantine equations. Prerequisite: Mathematics 335.

MATHEMATICS 461 Practicum **Six credit hours**
An opportunity for students, under supervision, to obtain work experience in applied mathematics. Prerequisites: Mathematics 333 and three credit hours of computer science.

**SUGGESTED CURRICULUM GUIDE
MATHEMATICS TRACK I
(GRADUATE SCHOOL)**

Freshman Year

Fall Semester		Spring Semester	
Humanities 131	3	Mathematics 132	3
SSC 131	3	SSC 132	3
Rhetoric Colloquium 131	3	Rhetoric Colloquium 132	3
Mathematics 137	3	Mathematics 138	3
Foreign Language	3	Foreign Language	3
Orientation 111	1	Orientation 112	1
Physical Education (Activity)	<u>1</u>	Physical Education (Activity)	<u>1</u>
	17		17

Sophomore Year

Fall Semester		Spring Semester	
Mathematics 241	4	Mathematics 242	4
Computer Science 131/231	3	Computer Science 132/232	3
Speech 131	3	Mathematics 336	3
Lit., Hum., Fine Arts	3	Lit., Hum., Fine Arts	3
Health Ed 121	2	NSC 132	<u>3</u>
NSC 131	<u>3</u>		17
	18		

Junior Year

Fall Semester		Spring Semester	
Mathematics 341	4	Mathematics 335	3
Mathematics 333	3	Mathematics 434	3
History 131	3	History 132	3
Physics 243	4	Physics 244	4
Lit., Hum., Fine Arts	<u>3</u>	Electives (Free)	<u>3</u>
	17		16

Senior Year

Fall Semester		Spring Semester	
Mathematics 415	1	Mathematics 416	1
Mathematics 430/431	3	Mathematics 439	3
Mathematics 427	2	Mathematifcs 428	2
Electives (Free)	3	Electives (Free)	3
Electives (Restricted)	<u>3</u>	Electives (Restricted)	<u>3</u>
	12		12

SUGGESTED CURRICULUM GUIDE
MATHEMATICS TRACK II (TEACHING)

Freshman Year

Fall Semester		Spring Semester	
Humanities 131	3	Humanities 132	3
SSC 131	3	SSC 132	3
Rhetoric Colloquium 131	3	Rhetoric Colloquium 132	3
Mathematics 137	3	Mathematics 138	3
Foreign Language	3	Foreign Language	3
Orientation 111	1	Orientation 112	1
Physical Education (Activity)	<u>1</u>	Physical Education (Activity)	<u>1</u>
	17		17

Sophomore Year

Fall Semester		Spring Semester	
Mathematics 241	4	Mathematics 242	4
Computer Science	3	Mathematics 336	3
Psychology 237	3	Speech 131	3
Lit., Hum., Fine Arts	3	Lit., Hum., Fine Arts	3
Health Ed 121	2	Education 220	2
NSC 131	<u>3</u>	NSC 132	<u>3</u>
	18		18

Junior Year

Fall Semester		Spring Semester	
Mathematics 341	4	Mathematics 335	3
History 131	3	History 132	3
Physics 243	4	Physics 244	4
Education 395	3	Mathematics 330	3
Lit., Hum., Fine Arts	3	Psychology 239	<u>3</u>
Education 312	<u>1</u>		16
	18		

Senior Year

Fall Semester		Spring Semester	
Mathematics 415	1	Mathematics 416	1
Mathematics 427	2	Mathematics 428	2
Mathematics 426	2	Education 296	3
Mathematics 420	2	Electives (Restricted)	3
Electives (Restricted)	3	Education 330	3
Electives (Free)	<u>3</u>	Electives (Free)	<u>3</u>
	13		15

Fifth Year

Education 492	<u>12</u>
	12

SUGGESTED CURRICULUM GUIDE
MATHEMATICS TRACK III
(COMPUTER SCIENCE)

Freshman Year

Fall Semester		Spring Semester	
Humanities 131	3	Humanities 132	3
SSC 131	3	SSC 132	3
Rhetoric Colloquium 131	3	Rhetoric Colloquium 132	3
Mathematics 137	3	Mathematics 138	3
Foreign Language	3	Foreign Language	3
Orientation 111	1	Orientation 112	1
Physical Education (Activity)	<u>1</u>	Physical Education (Activity)	<u>1</u>
	17		17

Sophomore Year

Fall Semester		Spring Semester	
Mathematics 241	4	Mathematics 242	4
Computer Science 231	3	Computer Science 232	3
Speech 131	3	Mathematics 336	3
Lit., Hum., Fine Arts	3	Lit., Hum., Fine Arts	3
NSC 131	<u>3</u>	NSC 132	<u>3</u>
	16		16

Junior Year

Fall Semester		Spring Semester	
Mathematics 341	4	Mathematics 335	3
Mathematics 333	3	Mathematics 434	3
Computer Science 330	3	Computer Science 336	3
Physics 243	4	Physics 243	4
Electives (Free)	<u>3</u>	Electives (Free)	<u>3</u>
	17		17

Senior Year

Fall Semester		Spring Semester	
Mathematics 415	1	Mathematics 416	1
Mathematics 427	2	Mathematics 428	2
Computer Science 341/342	4	Computer Science 432	3
Lit., Hum., Fine Arts	3	Electives (Free)	6
Electives (Restricted)	3	Electives (Restricted)	<u>3</u>
Electives (Free)	<u>3</u>		15
	16		

SUGGESTED CURRICULUM GUIDE
MATHEMATICS TRACK IV
(BUSINESS)

Freshman Year

Fall Semester		Spring Semester	
Humanities 131	3	Humanities 132	3
SSC 131	3	SSC 132	3
Rhetoric Colloquium 131	3	Rhetoric Colloquium 132	3
Mathematics 137	3	Mathematics 138	3
Foreign Language	3	Foreign Language	3
Orientation 111	1	Orientation 112	1
Physical Education (Activity)	<u>1</u>	Physical Education (Activity)	<u>1</u>
	17		17

Sophomore Year

Fall Semester		Spring Semester	
Mathematics 241	4	Mathematics 242	4
Computer Science	3	Economics 231	3
Speech 131	3	Mathematics 336	3
Lit., Hum., Fine Arts	3	Lit., Hum., Fine Arts	3
Health Ed. 121	2	NSC 132	3
NSC 132	<u>3</u>	Electives (Free)	<u>2</u>
	18		18

Junior Year

Fall Semester		Spring Semester	
Mathematics 341	4	Mathematics 335	3
Mathematics 333	3	Mathematics 334	3
Accounting 235	3	Accounting 236	3
Physics 243	4	Physics 244	4
Lit., Hum., Fine Arts	<u>3</u>	Bus. Adm.: Economics	<u>3</u>
	17		16

Senior Year

Fall Semester		Spring Semester	
Mathematics 415	1	Mathematics 416	1
Mathematics 427	2	Mathematics 428	2
Mathematics 431	3	Mathematics 434	3
Bus. Adm.: Economics	3	History 132	3
History 131	3	Electives (Free)	3
Electives (Free)	<u>3</u>	Electives (Restricted)	<u>3</u>
	15		15

COMPUTER SCIENCE

The use of modern information processing machines has become indispensable in solving problems in many areas vital to our well-being. Today, these machines are being used to help design and operate space vehicles, make financial transactions and management decisions, teach children reading and arithmetic, and to provide family entertainment.

The Computer Science Program at Johnson C. Smith University reflects the growth and potential of this industry. The program provides courses and activities designed to provide marketable knowledge and skills for successful careers in the information processing industry, and to provide a theory-oriented foundation for graduate work in information and computer science.

Each computer science major is required to develop a Senior Investigative Paper. Formal development of the Senior Investigative Paper begins when the major has obtained senior standing, completed core 200 and 300 level courses in the major, and the general studies courses in rhetoric and speech.

COMPUTER SCIENCE

A major in computer science consists of a set of core courses plus additional courses in one of two tracks. The core courses are: Computer Science 231, 232, 330, 331, 333, 334, 336, 430, 438 and 439. A minimum of 57 semester hours is required for this major. Additional courses for the major must be selected from one of the following tracks:

Track 1: Computer Studies: Computer Science 421, 431; Physics 243, 244; Mathematics 241, 136 or 333, and 336.

Track 2: Information Systems. Computer Science 235, 236; Mathematics 136, 235; Economics 231; Accounting 235, 236; Management 333; Marketing 331, and Banking and Finance 330. Any of the above courses that count toward the major must be passed with a minimum grade of C.

A minor in computer science consists of eighteen hours of computer science courses and must include Computer Science 231, 232, 330, and 334. It is highly recommended that Computer Science 432 and Mathematics 242 for Track 1 or Mathematics 236 and Economics 234 for Track 2 be included as electives. In particular, these courses will be required for students considering graduate study and/or the dual degree engineering program (Track 1 students).

COMPUTER SCIENCE 131-132 Computer Concepts I, II Three credit hours each
Concepts, terminology and characteristics of modern information processing systems. Topics includes basic computer components and their functions, applications software. Data communications programming languages, language syntax and computer programming. Prerequisite: Mathematics 132.

COMPUTER SCIENCE 231-232 Computer Programming I, II Three credit hours each
Organization and characteristics of major components of digital computers. Memory organization and addressing techniques, digital representation of data and character codes. Symbolic coding. Syntax of a modern programming language. Design and representation of algorithms. Structured programming techniques. File organization. Computer processing of files and basic data structures. Prerequisite: Mathematics 137 or by consent.

COMPUTER SCIENCE 235-236 Commercial Data Processing I, II Three credit hours each
Detailed study of COBOL including advanced features. File processing and data base concepts. Program development in a database environment. Prerequisite: Mathematics 137.

COMPUTER SCIENCE 330 Systems Analysis and Design Three credit hours
Systems concepts, and tools. Software engineering approach to the analysis and design of systems to meet needs of the organization. Case studies. Prerequisites: Mathematics 236 or 241 and Computer Science 232 or 236.

COMPUTER SCIENCE 331 Introduction to Discrete Structures Three credit hours
 Elements of set algebra. Partitions and counting techniques. Relation, functions and lattices. Boolean algebra. Graphs, trees, and grammars. Basic theory of groups and finite state machines. Applications of these structures in computer science. Prerequisite: Mathematics 235 or 241, and Computer Science 232.

COMPUTER SCIENCE 333 Computer Organization and Programming Three credit hours
 Computer interconnection structures. Central processing unit, instruction format and execution. Memory organization and addressing techniques. Microprogrammed control, I/O programming and interrupt handling. Assembly language programming. Prerequisite: Computer Science 232.

COMPUTER SCIENCE 334 Introduction to Operating Systems Three credit hours
 Brief history of operating systems. Major functions of modern operating systems including process management, input/output systems, memory management, file and data management. Practical experience with a widely used operating system. Prerequisite: Computer Science 232.

COMPUTER SCIENCE 336 Data Structures and Algorithms Three credit hours
 Basic concepts of data. Linear list, arrays and strings. Representation of trees and graphs. Hashing, sorting and searching algorithms. Multi-linked structures, files, and storage allocation and collection. Prerequisite: Computer Science 331.

COMPUTER SCIENCE 337-338 Introduction to Programming Languages Three credit hours each
 Fundamental characteristics, syntax and structure of several major programming languages. Formal specification of syntax, data types, operations, subroutine subprograms, statement types, and program structure. Run-time representation of programs and data. Program linkage and data transfer between programs. Prerequisite: Computer Science 232.

COMPUTER SCIENCE 341 Applications Programming I Four credit hours
 Review of file processing techniques and systems concepts. Application of computer programming, systems analysis and systems design concepts to a comprehensive systems development project. Prerequisite: Computer Science 330.

COMPUTER SCIENCE 342 Applications Programming II Four credit hours
 Programming of numeric and non-numeric algorithms for system simulation and performance measurement. Applications to digital communication network systems and distributive data base processing. Prerequisites: Mathematics 136 or 333, 336, and Computer Science 330.

COMPUTER SCIENCE 421-422 Introduction to Theory of Computing Two credit hours each
 Fundamental concepts of automata theory. Finite state and Turing machines. Grammars and parsing techniques. Prerequisite: Mathematics 232 and 331.

COMPUTER SCIENCE 430 Senior Project Three credit hours
 The student will structure a real world problem to solve that addresses state of art and emerging computer science technologies such as Artificial Intelligence, Applications Enabling (CASE), Graphical Interfacing, and social issues. This will require individual investigation and research as well as team programming projects. Each student will be required to produce a culminating investigative paper. Prerequisites: Senior Status and permission of instructor.

- COMPUTER SCIENCE 431

Computer Theory and Logic

Boolean algebra and applications. Design and functions of gates, flip-flops, registers and memory to perform operations on binary data. Microprocessor architecture, hardware modules and interfacing. Prerequisite: Computer Science 331, 333, and Physics 244.
- COMPUTER SCIENCE 432

Numerical Methods

Three credit hours

Algorithms and computer techniques for numerical solutions of problems in several areas including numerical integration and differentiation, systems of linear equations, zeros of functions and curve fitting. Round-off error analysis. Prerequisite: Mathematics 242, 336 and Computer Science 232.
- COMPUTER SCIENCE 433

Computer Software Organization and design

Three credit hours

Design and implementation of system software including assemblers, loaders, linkers, utilities, and language processors. Systems programming using the C language. Prerequisites: Computer Science 334 and 336.
- COMPUTER SCIENCE 434

Introduction to Compilers

Three credit hours

Grammars and language types. Organization of compilers. Development of algorithms for lexical scanning and recognizers using the C programming. Symbol tables and code generation. Run-time storage organization, error recovery and diagnostics. Prerequisite: Computer Science 433.
- COMPUTER SCIENCE 438

Database Processing

Three credit hours

Files and data structures for the database environment. Logical and physical organization of databases. Data models and query languages. Concepts of normal forms, data independences, security, integrity, and concurrency. Prerequisites: Computer Science 330, and 336.
- COMPUTER SCIENCE 439

Data Communications

Three credit hours

Principles of data communications, protocols, and standards - hardware and software. Network topology and applications. Intersystem connectivity and consequences for data and resource sharing. Prerequisites: Computer Science 330, 333, 334, and 336.
- COMPUTER SCIENCE 460

Practicum

Six credit hours

An opportunity for students, under supervision, to obtain work experience in applied mathematics and computer science. Prerequisites: Mathematics 136, 236 and Computer Science 330.

SUGGESTED CURRICULUM GUIDE
INFORMATION SYSTEMS

Freshman Year

Fall Semester		Spring Semester	
Humanities 131	3	Humanities 132	3
SSC 131	3	SSC 132	3
Rhetoric Colloquium 131	3	Rhetoric Colloquium 132	3
Mathematics 137	3	Mathematics 136	3
Foreign Language	3	Foreign Language	3
Orientation	<u>1</u>	Orientation	<u>1</u>
	16		16

Sophomore Year

Fall Semester		Spring Semester	
Mathematics 235	3	Health Ed 121	2
Computer Science 231	3	Computer Science 232	3
Computer Science 235	3	Computer Science 236	3
Lit., Hum., Fine Arts	3	Lit., Hum., Fine Arts	3
NSC 131	3	NSC 132	3
Physical Ed (Activity)	<u>1</u>	Physical Ed (Activity)	<u>1</u>
	16		15

Junior Year

Fall Semester		Spring Semester	
Computer Science 330	3	Computer Science 336	3
Computer Science 331	3	Computer Science 334	3
Computer Science 333	3	Economics 231	3
Accounting 235	3	Accounting 236	3
History 131	3	History 132	3
Electives (Free)	<u>3</u>	Electives (Free)	<u>3</u>
	18		18

Senior Year

Fall Semester		Spring Semester	
Management 333	3	Marketing 331	3
Computer Science 439	3	Computer Science 430	3
Banking & Finance 330	3	Computer Science 438	3
Speech 131	3	Lit., Hum., Fine Arts	3
Electives (Restricted)	3	Electives (Restricted)	3
Mathematics 415	<u>1</u>	Mathematics 416	<u>1</u>
	16		16

**SUGGESTED CURRICULUM GUIDE
COMPUTER STUDIES**

Freshman Year

Fall Semester		Spring Semester	
Humanities 131	3	Humanities 132	3
SSC 131	3	SSC 132	3
Rhetoric Colloquium 131	3	Rhetoric Colloquium 132	3
Mathematics 137	3	Mathematics 138	3
Foreign Language	3	Foreign Language	3
Orientation	1	Orientation	1
Physical Ed (Activity)	<u>1</u>	Physical Ed (Activity)	<u>1</u>
	17		17

Sophomore Year

Fall Semester		Spring Semester	
Mathematics 241	4	Mathematics 336	3
Computer Science 231	3	Computer Science 232	3
Lit., Hum., Fine Arts	3	Lit., Hum., Fine Arts	3
NSC 131	3	NSC 132	3
Health Ed 121	2	History 132	<u>3</u>
History 131	<u>3</u>		15
	18		

Junior Year

Fall Semester		Spring Semester	
Computer Science 330	3	Computer Science 336	3
Computer Science 331	3	Computer Science 334	3
Computer Science 333	3	Speech 131	3
Mathematics 136	3	Physics 244	4
Physics 243	<u>4</u>	Lit., Hum., Fine Arts	<u>3</u>
	16		16

Senior Year

Fall Semester		Spring Semester	
Computer Science 439	3	Computer Science 430	3
Computer Science 431	3	Computer Science 438	3
Computer Science 421	2	Mathematics 416	1
Mathematics 415	1	Electives (Restricted)	3
Electives (Restricted)	3	Electives (Free)	<u>3</u>
Electives (Free)	<u>3</u>		13
	15		

PREPROFESSIONAL OPPORTUNITIES IN THE SCIENCE DIVISION

Premedical and Predental Programs

All courses required for preparation for medical and dental school are offered at Johnson C. Smith University. A student may major in any area of study, but the Health Careers Committee recommends a major in biology or chemistry. The following courses are required for admittance to most medical schools: biology, two semesters; chemistry (general and organic), four semesters; physics, two semesters. Other specific courses are required by some medical schools. Academic advisors and Health Careers Committee will aid students in arranging their programs.

Students who complete general education requirements and who are accepted into a medical or dental school at the end of the junior year are eligible to receive the B.S. degree from Johnson C. Smith University upon the successful completion of the freshman year at the medical or dental school.

PRE-PHARMACY

Johnson C. Smith University and Howard University of Washington, DC, offer a Dual Degree program. A student may pursue a Bachelor of Science degree in either Biology or Chemistry over a three year period at Johnson C. Smith and then transfer to Howard University School of Pharmacy to complete the pharmacy training. Upon successful completion of the first year at Howard, the student will receive a Bachelor of Science degree from Johnson C. Smith and continue on for either a Bachelor of Science in Pharmacy or Doctor of Pharmacy

at Howard. This course of study, depending upon the student's entering qualifications and placements, may also require academic work for one summer.

Biology/Pre-pharmacy

In addition to the general education courses required for this particular BS degree from Johnson C. Smith, the requirements also include Biology 142, 411 and 412 plus 12 credits of biology courses above the 100 level chosen from the following: 241, 242, 331, 340, 343, 354 and 442. In support of this Pre-pharmacy opportunity eight credits of General Chemistry, eight credits of Organic Chemistry and eight credits of Physics are also required. A specific requirement of the pharmacy school is one semester (4 credits) of Calculus.

Chemistry/Pre-pharmacy

In addition to the general education courses required for this particular BS degree from Johnson C. Smith, the requirements also include Chemistry 141-2, 241-2, 341-2, 411 and 431. In support of this Pre-pharmacy opportunity, Biology 243, eight credits of Physics, eight credits of Calculus and 6 credits of Computer Science are also required.

For descriptions of the courses mentioned above, consult the appropriate departmental offerings. Example curricula for both of the Pre-pharmacy opportunities follow.

**JOHNSON C. SMITH - HOWARD
BIOLOGY - PHARMACY**

YEAR 1

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Biology 142	4	Biology 241	4
Mathematics 137	3	Mathematics 138	3
Rhetoric 191	3	Rhetoric 192	3
Foreign Language	3	Foreign Language	3
Freshman Orientation 120	2	Soc Studies or Human Req	<u>3</u>
Physical Education (Activity)	<u>1</u>		16
	16		

YEAR 2

Chemistry 141	4	Chemistry 142	4
Mathematics 241	4	Soc Studies or Human Req	3
English 231	3	English 232	3
Biology 243/244	4	Biology major course	4
Personal Hygiene	<u>2</u>	Soc Studies or Human Req	<u>3</u>
	17		17

YEAR 3

Chemistry 341	4	Chemistry 342	4
Physics 241	4	Physics 242	4
Biology 411	1	Biology 412	1
Soc Studies or Human Req	6	Soc Studies or Human Req	<u>9</u>
Physical Education (Activity)	<u>1</u>		18
	16		

JOHNSON C. SMITH - HOWARD
CHEMISTRY - PHARMACY

YEAR 1

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Chemistry 141	4	Chemistry 142	4
Mathematics 241	4	Mathematics 242	4
Rhetoric 191	3	Rhetoric 192	3
Foreign Language 131	3	Foreign Language 132	3
Freshman Orientation 120	<u>2</u>	Personal Hygiene 121	<u>2</u>
	16		16

YEAR 2

Chemistry 241	4	Chemistry 242	4
Physics 241 or 243	4	Physics 242 or 244	4
English 231	3	English 232	3
Computer Science	3	Computer Science	3
History 131	3	History 132	3
Physical Education (Activity)	<u>1</u>	Physical Education (Activity)	<u>1</u>
	18		18

YEAR 3

Chemistry 341	4	Chemistry 342	4
Chemistry 431	3	Soc Studies or Human Req	<u>12</u>
Biology 143	4		16
Soc Studies or Human Req	6		
Chemistry 411	<u>1</u>		
	18		

Having to attend a summer session is a distinct possibility if a student does not place directly into the calculus or place out of the foreign language requirement. In either case the extra credits required would be difficult to work into the curriculum without seriously overextending the student's course load.

PRE-ENGINEERING

The Pre-Engineering curriculum at Johnson C. Smith University is designed to provide the student with the proper tools for pursuing an engineering career. A student with a strong background in Mathematics may complete a three-year curriculum at JCSU with a concentration in Mathematics which parallels the first two years of an

engineering program at most four-year schools. On transfer to an engineering school the student should be able to complete the final two years with a normal course load, after verification by that school of the applicability of the JCSU credits towards its own degree requirements. Conversely, approved credits earned at that school will be applied by JCSU towards its requirements for a Bachelor or Science degree in Mathematics, so that the student will have earned two B.S. degrees, one from each institution.

In addition to the General Education requirements, the following courses are a specific part of the pre-engineering curriculum at JCSU: ENGR 1100 (EGR 110); Math 241, 242, 341, 434, 333, 336; Physics 243, 244, 331; Chemistry 241, 242; Computer Science 241, 242 or equivalent; and Economics 231. Most of these preparatory courses and the engineering courses which follow have prerequisites, and it is necessary to take them in the correct sequence if the program is to be completed in the allotted time. Thus a student interested in this program should see the coordinator in his first semester to ensure that there will be no unnecessary delays.

Currently, Johnson C. Smith University collaborates with the College of Engineering at the University of North Carolina at Charlotte in offering a joint five year program in Civil, Electrical, and Mechanical Engineering. The student remains registered at JCSU through the third year while enrolling in some courses at UNCC. In the final two years the student is registered at UNCC. Suggested curricular guides are listed below:

ENGR 1100 (EGR 110) Introduction to Engineering (One credit hour)
Introduction to engineering as an area of study and as a career; engineering morality and public responsibility; professional development and professional registration.

Though this is a UNCC course, it is a required orientation course for students participating in the program, and should be taken in his/her first year. A section may be offered on the JCSU campus in the Spring semester if there is sufficient demand. For pre-registration purposes JCSU uses the designation EGR 110.

SUGGESTED CURRICULUM
PRE-ENGINEERING

1st Semester		2nd Semester	
Math 241 (Calculus I)	4	Math 242 (Calculus II)	4
Chem 141 (Gen. Chem.)	4	Chem (Gen. Chem. II)	4
Rhetoric 191 (Composition I)	3	Rhetoric 192 (Composition II)	3
Foreign Language 131	3	Foreign Language 132	3
Freshman Orientation 120	<u>2</u>	P.E. 121 (Hygiene)	2
	16	ENGR 1100 (Intro to Engr.)	<u>1</u>
			17

Summer Session

Natural Science 132	3
History 131	3
P.E. (Activity)	<u>1</u>
	7

3rd Semester		4th Semester	
Math 341 (Calculus III)	3	Math 434 (Diff. Eq.)	3
Phy 243 (Mechanics)	4	Phy 244 (Elec. Magnetics)	4
Eng 231 (World Lit)	3	Speech 131 (Fundamentals)	3
Gen Psy 131	3	Eng 232 (World Lit)	3
CSC 231 (Computer Prog.)	3	Music 131	3
P.E. (Activity)	<u>1</u>	Computer Prog. or	
	17	Graphics (see note)	<u>2</u>
			18

Note: Select CEGR 1102, EEGR 1102, or MEGR 1102 at UNCC as appropriate; CSC 232 (3 credits) may be an acceptable alternative in certain cases.

5th Semester		6th Semester	
Econ 231 (Principles of Economics)	3	Phy 331 (Waves and Modern Physics)	3
Math 333 (Probability and Statistics)	3	Math 336 (Linear Algebra)	3

Other third-year courses are engineering courses taken at UNCC through the auspices of the Charlotte Area Educational consortium.

MILITARY SCIENCE AREA (ARMY ROTC)

Johnson C. Smith University offers Army Reserve Officers' Training Corps (ROTC) in cooperation with UNC-Charlotte within terms of the existing agreements between schools of the Charlotte Area Educational Consortium.

Students at Johnson C. Smith University may elect to participate in the Army Reserve Officers' Training Corps (ROTC) area as part of their academic curriculum. Students successfully completing the Military Science curriculum will receive 19 credit hours applicable toward general elective requirements and will be commissioned second lieutenants in the Regular Army, Army Reserve or National Guard. Students will normally enroll in a military science course or activity each semester.

Army ROTC is a four-year area consisting of the Basic Course (freshman and sophomore years) and the Advanced Course (junior and senior years). No military commitment is incurred for participation in the Basic Course. ROTC is open to both men and women.

Eligibility for admission into the Advanced Course is on the basis of demonstrated officer potential and a physical examination. Members of the Reserve Components, honorably discharged veterans and students with a ROTC background may be eligible for placement into the Advanced Course provided they are otherwise fully qualified. Transfer students with two or more years remaining toward degree

completion may also qualify for direct entry into the Advanced Course by participation in paid summer training. Advanced Course students attend a paid six-week summer camp prior to commissioning.

All students enrolled in the Advanced Course receive tax-free subsistence allowance of \$100 per academic month. One, two, and three-year scholarships are awarded on a competitive basis. Scholarships pay the full cost of tuition, textbooks and lab fees as well as the monthly subsistence allowance. All uniforms and textbooks for ROTC instruction are provided at no cost to the student. The ROTC student body is organized as a corps of cadets, which sponsors several social and professional enrichment activities such as the: ROTC Honor Guard, Scabbard and Blade Society (A national military fraternity), the RAIDERS (a commando oriented organization) and the Cadet Association.

COURSE DESCRIPTIONS

Courses for Undergraduates

- MS 1101 Basic Course I. (1) Introduction to ROTC and the U.S. Army including the rationale of the national defense structure and the mission and role of the Army. Introduction to modern theories of leadership and their application to today's environment. One lecture hour per week offered in the fall and spring semester.

- MS 1102 Basic Leadership Laboratory I. (1) Practical work in basic military skills and physical ability development. Introduction to land navigation, drill and ceremony, communications, and the Army's standard individual weapons with emphasis upon team work and confidence building through participation in leadership activities. Three laboratory hours per week offered in the fall and spring semester.

- MS 2101 Basic Course II. (2) Introduction to map reading techniques, small unit tactics and the role of the junior officer in troop leading. First aid in a tactical environment will be surveyed. Three lecture hours per week offered in the fall and spring semester.

- MS 2102 Basic Leadership Laboratory II. (1) Emphasis upon developing proficiency in basic military skills with students assuming leadership roles when the class functions as a military unit. Assertive, confident leadership through knowledge and practice will be stressed. Three laboratory hours per week offered in the fall and spring semester.

- MS 3101 Advanced Course I. (3) Prerequisite: Basic Course or consent of the professor of military science. Introduction to the advanced ROTC area and an examination of branches of the Army, military teaching principles, management and small unit tactics, including refresher and advanced training in communications, drill and ceremonies, land navigation and physical fitness. Students must be successfully pursuing a commission in the Regular Army, Army Reserve or Army National Guard. Three lecture hours per week offered only in the fall semester.

- MS 3102** Advanced Course II. (3) Prerequisite: MS 3101 or consent of the professor of military science. Designed specifically to prepare cadets for attendance at advanced camp with emphasis on mastering skills necessary to operate and maintain military equipment and developing self-confidence. Three lecture hours per week offered only in the spring semester.
- MS 3103** Advanced Leadership Laboratory I. (1) Prerequisite: MS 3101 or consent of the professor of military science. Practical application and additional development of military skills and leadership principles with emphasis on mastery of all previous military skills with much of the training being performance oriented. Students develop their leadership by rotating through various leadership positions during the conduct of their training. Three laboratory hours per week offered only in the spring semester.
- MS 3201** Advanced Course III. (3) Prerequisite: MS 3102. Examination of staff organization procedures and purpose including a detailed analysis of the total Army concept (Regular Army, Army Reserve, National Guard). Practical application of military briefing techniques and examination of the relationship of the Army officer and society through a survey of military history. Three lecture hours per week offered in the fall semester only.
- MS 3203** Advanced Leadership Laboratory II. (1) Prerequisite: MS 3201. Extensive practical work in military planning and instructional techniques with special emphasis upon development of applied leadership skills necessary as a commissioned officer. Three laboratory hours per week offered only in the spring semester.

HONORS COLLEGE

The mission of the Honors college is to produce graduates who have the academic, social and service commitments to function as leaders and role models in their communities. An enriched educational experience provides an excellent preparation for them. The Honors College offers the best features of a liberal arts education through an enriched curriculum of multiple learning experiences, student empowerment, wellness, and service. It is a separate self governing entity within the university community, with its own Rector and core faculty. The College's goal is to produce persons who upon graduation will move on to obtain advanced degrees, excellence as teachers, and prominence in business, science, medicine, law and other professions.

The Honors College invites highly motivated students to participate in a comprehensive program aimed at developing the whole person. This objective is met through programs which feature traditional and non-traditional learning. Honors Students will be enabled, through these programs, to experience an enriched undergraduate academic community, and to be well-prepared for the later worlds of graduate study and career.

MULTIPLE LEARNING EXPERIENCES incorporates traditional classes (lecture, discussion, examinations) with collaborative teams, cross-disciplinary courses, writing and speaking intensive courses, and special courses related to immediate contemporary issues.

STUDENT EMPOWERMENT occurs as Honors Students, in conjunction with a mentor, the Rector and a team of peers, design their own curricula. Individual curricular designs will incorporate: field experiences, independent study, research projects, and flexibility in course selections. Student empowerment is nurtured through a variety of support services: work with mentors, peer collaborative learning teams, tutoring services, computer labs, and a professionally staffed Teaching and Learning Center.

A focus on **WELLNESS** helps students to develop personal lifelong habits and goals around issues of health, fitness, nutrition and sexuality. Students are expected to do work in **WELLNESS** in each of their four years.

SERVICE enables talented individuals to pass on to others some of the benefits they have acquired. **SERVICE** involves Community and Justice components. The Community component may take the form of soup kitchen and hospital work, tutoring and role-modeling with children, charity fund-raising, and on-campus support to other students. The Justice component may take the form of drug awareness, political campaigns, lobbying, environmental activism, leadership development, and grassroots neighborhood organizing.

The Emphasis on **WRITING** will be preeminent in every Honors College activity. There are 3 required **HONORS PAPERS**. Students have the option in which Honors College courses to elect to do a term paper. All term papers are worked through until a grade of "A" is achieved. One paper must be on the topic of African American studies approved by the Head of African American Faculty Committee.

HONORS COURSE BINS

Honors Courses are designed with the idea that new courses can be invented at all times, with special attention to currently relevant issues; therefore, the curriculum is not focussed on any specific curricular scheme. Instead, to be Honors Courses, particular cross-disciplinary commitments must be met. These Honors Course commitments are labeled as five BINS. Each Honors College student must select at least two courses from each of the five BINS, and must take a minimum of 12 Honors courses (36 Credits).

1. **AFRICAN AMERICAN PERSPECTIVES** covers courses which address the history, culture, and social experiences of African Americans, such as "Psychology of the Black Child" or "Black Entrepreneurship: Principles of Management."
2. **CANONICAL WORKS** covers courses which introduce students to complete major texts, paintings, or musical compositions which have achieved "classical" status, such as "African American Art History" or "Literature of Social Reflection."
3. **HISTORICAL AND CULTURAL PERSPECTIVES** includes courses which present the subject content in the context of relevant social historical and cultural developments, such as a

course in Shakespeare which references the development of the early modern state in England, "History and Foundations of Math," or Foreign languages.

4. WELLNESS includes courses which develop self-awareness around the student's care of her or his body, mind, spirit and sexual being, such "Women and Religion," or "Biology and Ethics."
5. RATIONAL THINKING includes courses which train students in a method and practice of organized thought, such as "History of Modern Philosophy" or "Number Theory."

AFRICAN AMERICAN EXPERIENCE AAP BIN

The main objective of these courses is to examine African American Experiences from a variety of vantage points. The courses look at the ways in which African American have gone about living their lives in this society and also the ways that society and its structures are imposed upon the lives of African Americans; the ways in which the idea of "race" impacts upon our lives.

AAP 531-532 African American Art **Three credit hours**
These courses are designed to acquaint students with art made by Black Americans over the past 200 years. Major figures include, Tanner, Bannister, Duncanson, Porter, Douglas, White and Bearden. A portion of the courses focus on the struggle in America i.e., major galleries & museums, critics and important art collectors.

AAP 533-534 Psychology **Three credit hours**
Course in African American Perspectives dealing with psychology would range from an introduction to psychology with special emphasis on Black Americans to...The Psychology of Blacks in Relation to Sports, music, science, business, religion, etc. Certain psychological responses of Blacks to cultural to these selections.

AAP 535-536 Music **Three credit hours**
Course in African American music has a wide range of material to draw from. The evolution of jazz, gospel, work songs, soul, blues, and ragtime are potential areas of interest.

AAP 590 Special Topics **Three credit hours**
Courses submitted under Special Topics headings in African American Perspectives are usually courses taught on a one time basis and are not intended to form a permanent part of the core curriculum. Theme could include: Malcolm X, De-segregation, Slavery and many other Black issues.

AAP 591-592 African American Experience, I & II **Three credit hours**
A significant part of the mission at Johnson C. Smith University is to assist our students in "self discovery". African American Experience will engage students in a number of learning experiences i.e., film series by or about Black film makers, guest lecturers, concerts and gallery visits, all aimed at enhancing our students sense of self.

AAP 598-599 Independent Study**One to Three credit hours**

This course is designed mainly for junior and senior level students with demonstrated maturity and ability to undertake individualized course work. Students are permitted to choose their own topics of study, nonetheless, all independent study topics must be approved by an Honors College faculty advisor. The topic must come from a focus on African American issues.

CANONICAL WORKS CW BIN

A canonical works course is any course that (to a substantial degree) requires the reading of works which have achieved the status of primary works in their field. Seminal works by philosophers, political writers, economics, scientists, imaginative writers and others are the canonical texts. A canonical text course requires at least three such works be read in as complete a form as is feasible.

CW 531-532 Great Books**Three credit hours**

These courses focus on a selection of texts judged to be central to intellectual history. Books vary from year to year, and may be selected because of common themes (The human quarrel with God, women, etc.), or genres (tragedy, comedy, novel, etc.), or disciplines (literature, philosophy, religion, etc.).

CW 590 Special Topics**Three credit hours**

Special topics courses focus on a current issue and use the reading of major works to elucidate that issue with multiple perspectives. Examples of issues which might form a special topics course are censorship, the African American male in literature, or third world voices.

CW 593 Field Experiences**One to three credit hours**

A typical field experience in canonical works would be for a student to attend a conference or convention where sessions cover topics in literature, philosophy, biblical interpretation, history, psychology or the like. The student completes the field experience by making a public presentation to the Honors College. Credit would be based on the extent of the conference, the reading preparation needed to attend the conference, and the type of presentation made on return to campus.

CW 598-599 Independent Study**One to Three credit hours**

A typical independent study project in canonical works would be extensive reading which leads to a major paper, in which the focus is on works judged to have canonical status in their discipline (philosophy, literature, biology, psychology, literature, or the like). The project would be under the directorship of a faculty member in the discipline. Credit is based on the extent of the project.

CW 533 Literature of Social Reflection**Three credit hours**

In the course, we will try to compare various modes of social observation; and at the same time explore the ethical issues that confront these men and women, who want to change the world in one way or another, those who try to make sense of what others initiate politically, struggle with psychologically, endure socially.

HISTORICALLY AND CULTURAL PERSPECTIVES HCP BIN

The history bin offers course which focus, primarily, on human cultural evolution. Cultural evolution is defined broadly as the on going human activity of devising strategies and methods for meeting

human needs (e.g., providing food, clothing, and shelter; the research for order; controlling and interacting with nature; the search for meaning in life; the search for peace and security). The subject content of this bin may be covered by a variety of courses and experiences which utilize a number of methods (e.g., study of great books; study of language; special topic seminars; field experience; independent study).

HCP 531-532 Great Books

Three credit hours

This approach conceives of great books as social artifacts produced by societies. Within these artifacts are preserved important components of a people's culture, the learned and shared ideas that describe, explain, and give meaning and purpose to life.

HCP 533-534 Language

Three credit hours

Language is the most pervasive aspect of human culture. Language facilitates the accumulation and storage of a social heritage, and the transmission of that social heritage from generation to the next. This approach utilizes the study of language as a method of studying the social heritage of different societies.

HCP 590 Special Topics

Three credit hours

Human history is living history. The seminar approach allows us to explore special topics on the developing trends and events in the human experience.

HCP 593 Field Experience

One to Three credit hours

The field experience approach utilizes the participant observation method, primarily. This approach emphasizes learning through experience.

WELLNESS WEL BIN

The key to classification of a course into the Wellness BIN is a primary focus in the domain of practical wellness. That is, a course in the wellness domain should aim to provide students with practical competencies relevant to their physical, emotional, social, or spiritual well-being and to their ability to cope effectively with challenges to that well being. To be categorized into the "Wellness" bin, a course should:

- 1) Significantly engage the student in experiences, processes, and/or exercises which substantially enhance the student's practical ability to enjoy an active, "well" lifestyle or to deal effectively with unavoidable health challenges.
- 2) Permit each student a significant degree of flexibility in establishing wellness goals and self-direction in developing and executing plans for achievement of those goals.
- 3) Include a significant degree of focus on practical skills relevant to each student's lifelong wellness.

WEL 531-532 Lifeling Wellness

Three credit hours

Course providing practical skills, as defined for the wellness bin, in the areas of physical education, fitness, health dance, or the creative arts.

- WEL 533 Sports and Society** **Three credit hours**
 Courses providing practical skills, and dealing with the appreciation or understanding of sports and the relationship and impact of sports in the context of society.
- WEL 534-535 The Religious Experience** **Three credit hours**
 Courses dealing with practical skills with regard to the spiritual or religious practices and interpretation concerning wellness.
- WEL 536-537 Science** **Three credit hours**
 Courses providing practical skills of a scientific nature, research, trends and experiments.
- WEL 590 Special Topics** **Three credit hours**
 Course offered on an occasional or experimental, one time basis for which the content meets the definition of the wellness bin. These courses are typically focusing on current issues and use of contemporary readings and research.
- WEL 593 Field Experience** **One to Three credit hours**
 Courses offering supervised, practical experience in a field setting and with content meeting the definition of the wellness bin. Examples might include preparation for and competition in a National Sports Festival or international sports competition, membership in a well recognized performing arts event or competition, or attendance at a conference or convention.
- WEL 598-599 Independent Study** **One to Three credit hours**
 Independent but guided study or examination of a topic related to practical skills related to wellness. There would be extensive reading leading to major paper or project. The project would be under the directorship of a faculty member in the discipline. Credit is based on the extent of the project.

RATIONAL THINKING RT BIN

Rational Thinking is defined as: The assessing of premises and of the inferences which follow from those assessed premises.

Accordingly, courses submitted for inclusion in the Rational Thinking BIN are to conform to the following:

- 1) The primary focus of the course is methodology rather than content.
- 2) The course emphasizes the development of an idea with special attention to the reasons and reasoning which shaped the development.
- 3) The course requires students to reflect upon the reasons and reasoning generating the idea's development so that they themselves become participants in the idea's development.

- RT 531-532 Philosophy** **Three credit hours**
 Study of logic, methods, systems of thought either in themselves or as they have been applied in new domains if inquiry.
- RT 533-534 Mathematics & Science** **Three credit hours**
 Study of the concepts, methods, or philosophy of mathematics or science.
- RT 535-536 Computers in Society** **Three credit hours**
 Study of logic, design, problem solving within computer science or society at large.
- RT 537-538 Psychology** **Three credit hours**
 Study of cognition, learning, and human development.
- RT 561-562 Business & Economics** **Three credit hours**
 Study of methods, principles and theories of business and economics.
- RT 590 Special Topics** **Three credit hours**
 Courses are usually contemporary and readings in the rational process that involves timely issues.
- RT 598 Field Experience** **One to Three credit hours**
 These may be conferences and workshops with rational thinking and reasoning as the format.
- RT 599 Independent Study** **One to Three credit hours**
 Students do a directed research project under the guidance of specialist in reasoning.

COURSE CREDIT AND HONORS PAPERS REQUIREMENTS

Preliminary year to entering the Honors College: **FRESHMAN YEAR**—Advanced Freshman Studies (26 Credits—there are 8 three credit Inquiry courses and 2 one credit Orientation courses). During registration week for the second semester, students have the option to test out of the second part of each Inquiry course, and replace it with an Honors course with approval of the Rector.

SOPHOMORE YEAR—minimum of 6 Honors courses (18 credits) and two required HONORS PAPERS (HON 211 and 212). In the fall semester, all students must produce an Honors Paper under the guidance of the Writing Director (one credit). In the spring semester, all students must produce a second Honors Paper which will be an outgrowth of one of the fall Honors Courses, and will be written under the guidance of the course instructor (one credit). All Honors Papers are written to the completion of an A, and at least one must deal with an African-American topic [see appendix on the Writing Program].

JUNIOR YEAR—minimum of 3 Honors courses (9 credits). Students must complete a Field Experience with a paper generated by the experience (3 credits). Students must also complete an Independent Study, which need not produce a paper (1 to 6 credits); and a third Honors Paper HON 311, which will be an outgrowth of a course from the previous semester to be written under the guidance of the course instructor (one credit).

SENIOR YEAR—minimum of 2 Honors courses (6 credits), one of which must be the Senior Seminar, HON 431 in the Fall (3 credits).

SUMMATION:

Freshman year	= 26 credits minimum in Advanced Freshman Studies
Sophomore year	= 20 credits minimum, 2 of which are Honors Papers
Junior year	= 13 credits minimum (3 are the Field Experience, and 1 is an Honors Paper), plus 1 to 6 credits for Independent Study
Senior year	= 6 credits minimum, 3 of which are the Senior Seminar.

65+ credits

NOTE: Foreign language (3-6 credits) can be used to replace Honors courses in Historical and Cultural Prospectives. Mathematics (3-8 credits) can be used to replace Honors Courses in Rational Thinking.

STRUCTURE

Students receiving academic scholarships are expected to enroll in the Advanced Freshman Studies Program which is a humanities core based course of study preparatory for Honors College work in the sophomore year. Seminar format Honors College courses are interdisciplinary and are designed to accelerate the completion of the G.E. courses normally taken separately. Subject to the approval by the Honors College Core Faculty, upper level Honors College courses may be designed by departments.

In addition to Honors College courses, students may also elect to take in-course honors. Here special work is designed for one or more Honors College students, enrolled in a regular course, who desire a more challenging experience. The students and the instructor share in the initiative and the design. Approval is necessary from the Honors Core Faculty.

GRADING POLICIES

For those students who maintain a grade of B or above on their honors projects, HONORS will be designated on grade sheets beside the students' names and will be so recorded on the transcript. This designates creditable performance in special HONORS COURSES, IN-CLASS HONORS, and INDEPENDENT STUDY.

FINANCIAL ASSISTANCE

Contingent upon the availability of funds, students in the Honors College receive financial assistance to cover tuition. They are required to maintain a cumulative 3.00 GPA in order to retain their scholarships. A student may lose financial assistance and retain probationary status in the Honors College. A cumulative GPA below 3.00 for two consecutive semesters may warrant dismissal from the Honors College.

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